Windows-Based Terminal

User's Manual

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2 Product Overview

2.1 WBTs

WBTs (Windows-based Terminals) are designed to connect to WTS (Windows Terminal Server) servers via RDP (Remote Desktop Protocol), or Windows NT applications server via ICA (Independent Computing Architecture). RDP is the Windows CE-based protocol for connecting to Windows terminal servers. ICA is a distributed presentation services protocol for Windows NT server, allowing an application's user interface to execute on a Windows-based terminal while the application's logic executes on the server.

2.2 Terminal Specifications

CPU	VIA Eden 533 MHz, expandable to 733 MHz
RAM	64MB SDRAM standard, expandable to 512MB
Flash Memory	32MB CF card standard, expandable to 512MB Flash upgrade utility via Ethernet
Resolution	Resolution up to 1280x1024 / 60 Hz SVGA 32 bit to True color. 1600x1200 / 60 Hz SVGA 16 bit to High color. 16 million palette supports all VESA monitors
Refresh Rate	Flicker-free, up to 85Hz
Video Memory	Graphics utilizes system RAM
Audio Support	Full 16 bit stereo FM synthesis, 8 bit mini Microphone in
Networking Protocols	10/100 Base T Fast Ethernet, Twisted Pair (RJ45) TCP/IP with DNS, DHCP and PPP Load balancing supported by Citrix ICA Remote modem dial up with Citrix ICA
Communications Protocols	MS RDP / Citrix ICA
One Parallel Port	Bi-directional centronics compatible, DB-25
Two Serial Port	DB-9 pin male connector with RS-232C, up to 115.2K bps
One Display Port	Analogue VGA type video output (DB-15)
USB Port	Two USB ports
Audio Port	Audio out, Microphone In
KB & Mouse Interface	Enhanced PS/2 keyboard and mouse interface
Extensible Slot	One PCMCIA slot One PCI slot One Smart Card Reader
Operation System	Microsoft Windows CE.NET
Set-up & Configuration	Local power-on boot, simple start-up wizard for set-up Configurable automatic login, Multi-language KB support, Multiple auto-startup support
Server Operating System Support	**RDP :** Microsoft Windows NT4.0 + TSE. Microsoft Windows 2000 Server Family. Microsoft Windows 2003 Server Family. Microsoft Windows XP with RDP protocol **ICA :** Citrix Winframe Microsoft Windows NT4.0 + TSE+ Citrix Metaframe Microsoft Windows 2000 + Citrix Metaframe. Microsoft Windows 2000/ Windows 2003 + Citrix MetaframeXP.
Terminal Emulations Support	Console ANSI, VT 420/320/220/100/52, Wyse 120/60/50+/325 TVI 925, TVI 910+, ADDS A2, IBM3270, IBM5250.

2.3 Terminal Features

Physical Characteristics	
Height	232 mm (11.21 in)
Width	51 mm (2.08 in)
Depth	202 mm (10.41 in)
Net Weight	2.20 kgs (4.85 lbs)
Power Cord	6 ft (1.83m)
Environmental	
Operating Temperature	5 to 40℃ (41 to 104℉)
Non-operating Temperature	-40to 60℃ (-40 to 150℉)
Operating Humidity	20% to 80%, non-condensing
Operating Altitude	0 to 10,000 ft ASL
Nonoperating Altitude	0 to 40,000 ft ASL
Regulatory	
EMC Terminal/Power Brick	FCC B, CE, CB, CUL, C-TICK, BSMI,
Safety Power Brick	UL1950, CB IEC60950.

Installation

2.4 Terminal Overview

2.4.1 Connecting the Terminal

Follow these instructions to connect the terminal to its peripheral devices:

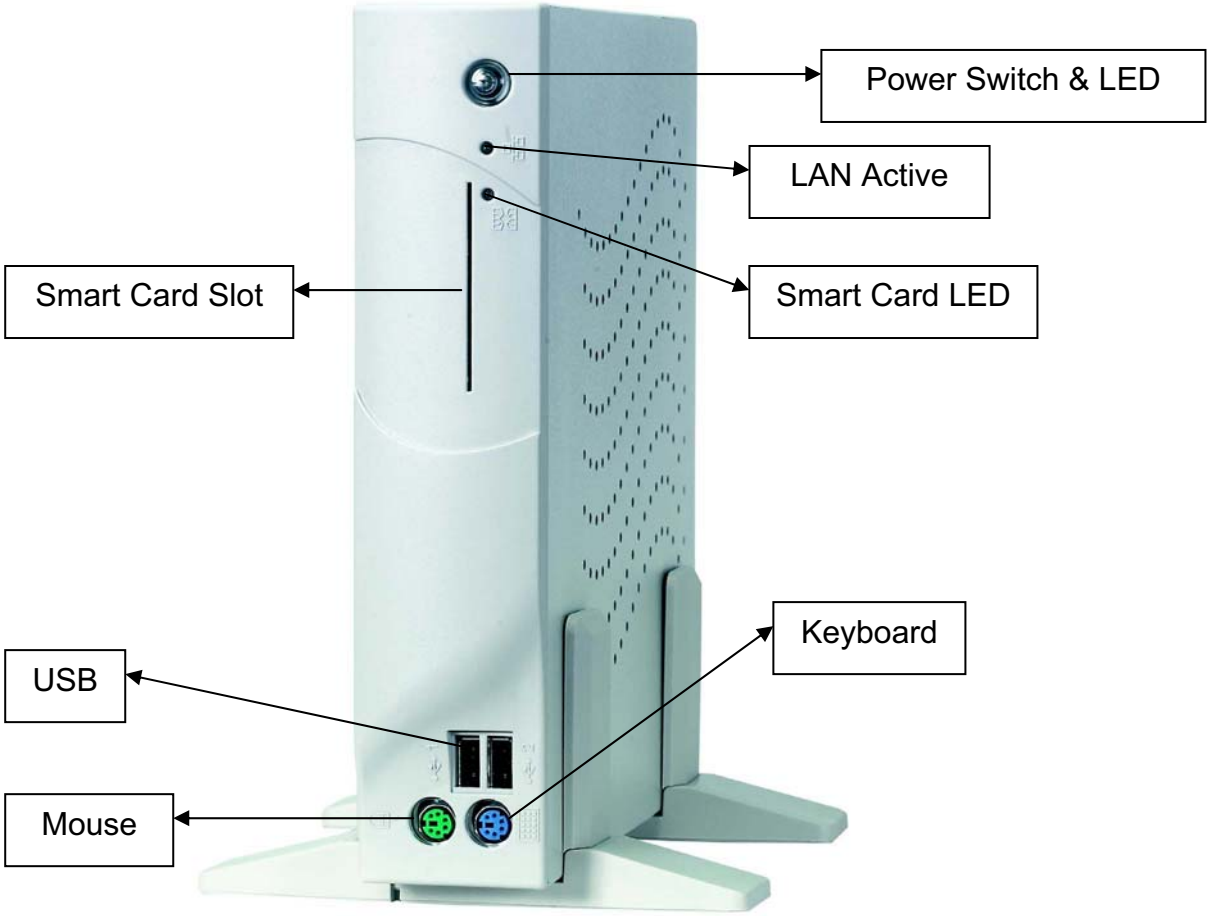
A. Connect the keyboard to the keyboard connector.

B. Connect the mouse to the mouse connector.

C. Connect the 10/100-T network cable to the RJ-45 network connector.

D. Connect the power cord and the adapter to the power connector with AC outlet.

E. Connect the power cord to the power connector with AC outlet.



2.4.2 Connector Descriptions

LAN LED Indicators
This LED indicates the link (amber), activity (amber) status of network conditions. The detailed information is explained as follows:

- Link Indicator (amber)
  This LED lights to indicate a successful network connection.
- Activity Indicator (amber)
  This LED lights when there is network packets sent or received through the RJ-45 port.

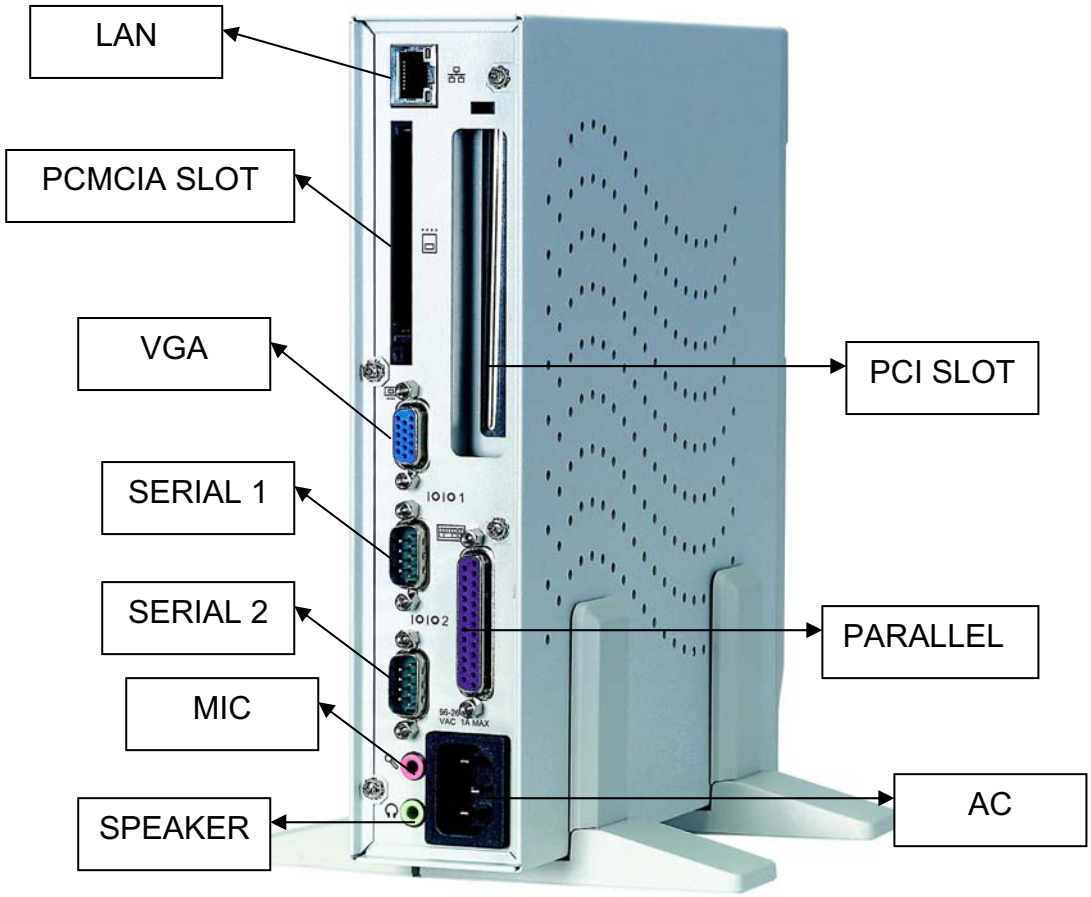
USB Port
These connectors can be used for the USB devices.

PS/2 Mouse Connector
This connector is for a mouse using a PS/2 plug (mini DIN).

PS/2 Keyboard Connector
This connector is for a standard keyboard using a PS/2 plug (mini DIN).

RJ-45 Network Connector
This connector can be used to connect the built-in 32-bit 10/100-T Ethernet network LAN Controller to a host or Hub.

Audio output Connector
This connector is used to connect to an outward speaker.



VGA Connector
This connector is for displaying on a standard VGA compatible device.

Serial Port Connectors (COM1, COM2)
These connectors can be used for the serial device such as a modem device.

Parallel Port Connector
This connector can be used for a printer connection.

Power Connector
This connector is for connecting the power cord with the terminal and the AC outlet.

PCMCIA Slot
This slot is an optional slot, basically for Wireless LAN adapter.

PCI Slot
This slot is an optional slot for specific applications via standard PCI interface.

Smart Card Slot
This slot is an optional slot only for Smart Card-related applications.

Before you use the CE5.0…

1. Get the device and Boot loader ready

For using the F/W of CE5.0, You must update the Boot loader for CE5.0 to ensure all of the devices and function normally.

2. The differences between CE4.2 and CE5.0

- **Two user interface styles supported**
  a. The CE5.0 support two user's modes, **WBT** mode and **Desktop** mode, Users can switch from one to another in **Control Panel**.

- **More device drivers have been supported in CE5.0**
  a. The CE5.0 F/W with CE5.0 Boot loader support Card Bus (**WiFi**, **PB**.).
  b. The CE5.0 OS support Card Bus (32 bits/backward compatibility), **802.11g** (Driver required), **USB2.0** (CLE only), **RTL8169** (Giga bit), **RTL8180** (WiFi/PCI), **L2TP**/**PPPoE**.

- **More complete and friendly user interface have been supported in CE5.0**
  a. The new function **L2TP** and **PPPoE** have been supported in **RAS** in the **Connection Manager**.
  b. **Regional and Language Setting** support the **Regional setting** in the program format, **Number**, **Currency**, **Time** and **Date**; and also support the **Input Language** to select which keyboard layout You want to use.
  c. The new function **Terminal License** have been supported in **Control Pane**l, and the user can view and reset the terminal license there instead of reset it in **Application Properties**.
  d. The new function **Touch Panel Settings** have been supported in **Control Panel**, and the user can set the touch panel model and alignment the panel there instead of do it in **Application Properties**.

- **The RDP version is upgraded from RDP 5.2 to RDP 5.5**

- **Complete update from CE4.2 to CE5.0**
  a. The CE4.2 OS could be upgraded to CE5.0 by using **FTP Update**.

3 Initial Terminal Setup

The **Setup Wizard** is used for initial setup of the terminal's properties. The wizard runs when:

You turn on your terminal for the first time.

Your terminal has been restarted with selecting factory default setting.

A new image has been downloaded to your terminal.

3.1 Hot-keys Functions

Ctrl+Alt+Up/Down Arrow

Use this function to switch between Active Connections.

Ctrl+Alt+End:

Use this function to go back to the Terminal Connection Manager.

Ctrl+Alt+L:

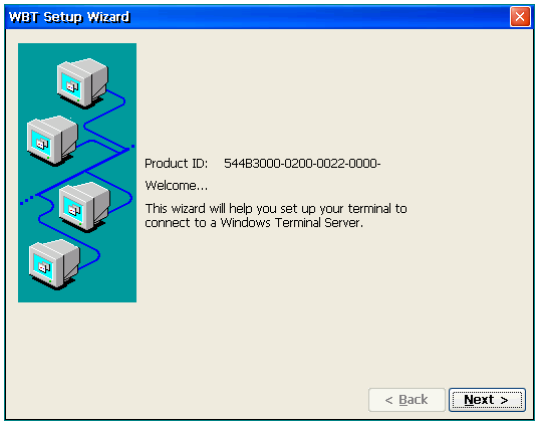
Use this function to activate or deactivate the energy saver.

3.2 Setup Wizard

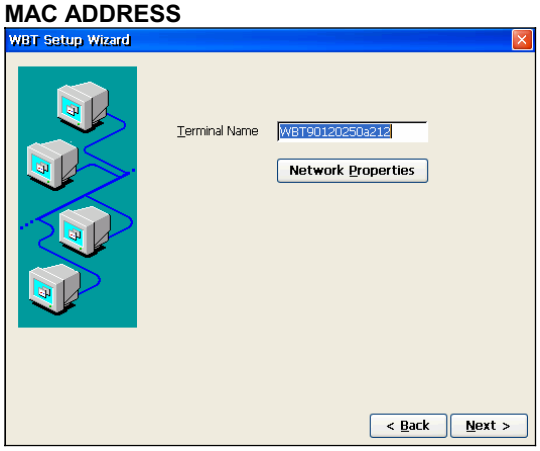
The **Setup Wizard** lets you set terminal network configuration and terminal display parameters. Any future changes can be made using the **Terminal Properties** dialog box. You can launch this dialog box anywhere in the program at any time by pressing the [F2] key.

There are seven dialog boxes that display in succession during the process. Each dialog box is self-explanatory. Some dialog boxes are informational and require no user input. Other dialog boxes will prompt you for network and display information.

Welcome


WBT Setup Wizard
Product ID: 544B3000-0200-0022-0000-
Welcome...
This wizard will help you set up your terminal to connect to a Windows Terminal Server.
< Back
Next >

MAC ADDRESS



3.2.1 Network Configuration

Network attached device must contain a unique network identifier. If the network is using TCP/IP as a communication protocol, these identifiers are called IP addresses. The following series of screens will allow you to choose from two different methods of assigning the IP addresses.

3.2.1.1 Use the IP information supplied by DHCP

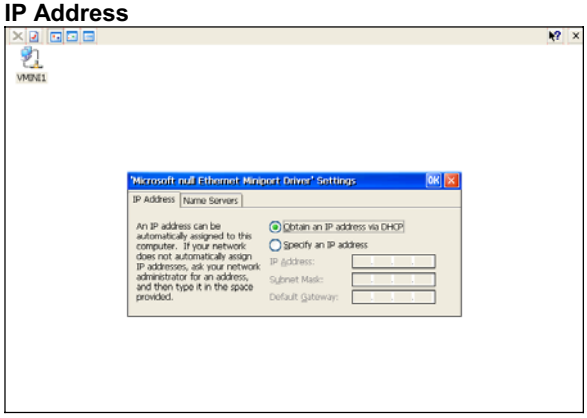
If your network provides DHCP (Dynamic Host Configuration Protocol) service and you want it to provide the terminals IP information, leave the first option selected.

The terminal can get its IP address through a DHCP service by default. The DHCP will automatically assign an IP address that is drawn from a pool of available IP addresses, when a terminal unit is powered on and a request is broadcast over the network.

Use the IP information supplied by DHCP
If you need to specify static IP address for the terminal, select the second option.

The option is selected automatically if your network does not provide a DHCP service, or if the unit is not properly connected to the network. In these cases, leave the second option selected.

IP Address


VMINI1
'Microsoft null Ethernet Miniport Driver' Settings
OK
IP Address
Name Servers
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.
Obtain an IP address via DHCP
Specify an IP address
IP Address:
Subnet Mask:
Default Gateway:

Note: If your network does not provide a DHCP service but you get the screen shown above, make sure the terminal unit is properly connected to the network. Then restart it by cycling the power off and then on.

3.2.1.2 Specify a static IP address

If the method you selected on the prior screen was to enter a static IP address, the below screen will appear. You will be required to enter the following information onto the screen.

IP address

Required for identifying this unit to the network. The format will follow the standard addressing format.

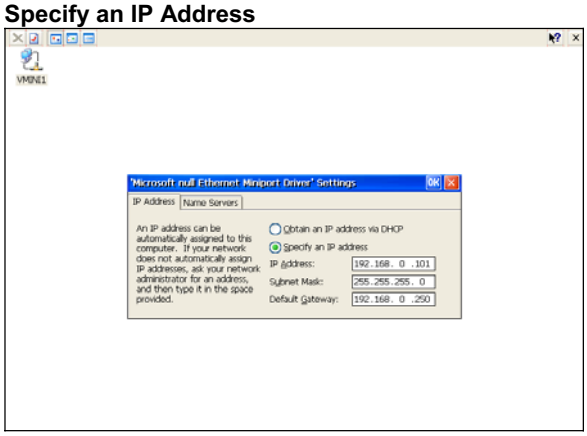
Subnet Mask

Required for designating which network the IP address is a part of.

Gateway

Optional address which identifies the machine through which a subnet communicates with another network.

Specify an IP Address

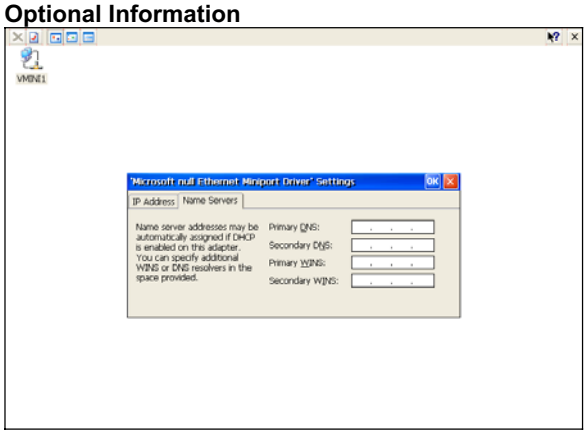

VMINI1
'Microsoft null Ethernet Miniport Driver' Settings
OK
IP Address
Name Servers
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.
Obtain an IP address via DHCP
Specify an IP address
IP Address:
192.168. 0 .101
Subnet Mask:
255.255.255. 0
Default Gateway:
192.168. 0 .250

3.2.2 Enable/Disable Name Resolution Services

The screen shown below will appear only if you choose the Static IP Addressing method. The DHCP method will provide this information required using a name resolution service.

Terminal servers typically support both DNS (Domain Naming Service) and WINS (Windows Internet Naming Service) name resolution services. This screen allows the terminal unit to use one or both of these resolution services. To enable DNS, WINS, or both, check the corresponding box. In the text boxes, enter the following information as appropriate for each. Click Next.

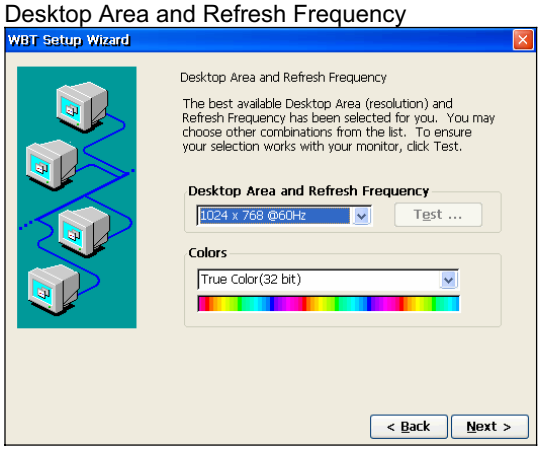
Optional Information


VMINI1
'Microsoft null Ethernet Miniport Driver' Settings
OK
IP Address
Name Servers
Name server addresses may be automatically assigned if DHCP is enabled on this adapter. You can specify additional WINS or DNS resolvers in the space provided.
Primary DNS:
Secondary DNS:
Primary WINS:
Secondary WINS:

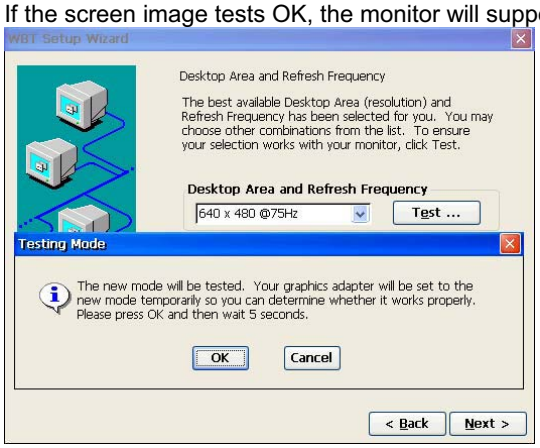
3.2.3 Alternative Display Settings

The monitor support several kinds of resolutions. If you want to test it, choose the desired resolution from the list box and click Test.

Desktop Area and Refresh Frequency

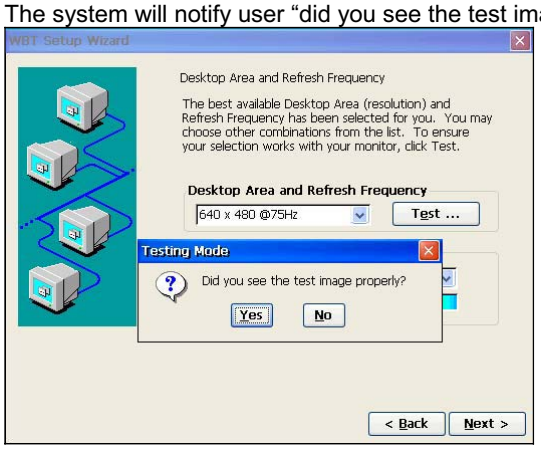

WBT Setup Wizard
Desktop Area and Refresh Frequency
The best available Desktop Area (resolution) and Refresh Frequency has been selected for you. You may choose other combinations from the list. To ensure your selection works with your monitor, click Test.
Desktop Area and Refresh Frequency
1024 x 768 @60Hz
Test ...
Colors
True Color(32 bit)
< Back
Next >

If the screen image tests OK, the monitor will support the selected resolution.


WBT Setup Wizard
Desktop Area and Refresh Frequency
The best available Desktop Area (resolution) and Refresh Frequency has been selected for you. You may choose other combinations from the list. To ensure your selection works with your monitor, click Test.
Desktop Area and Refresh Frequency
640 x 480 @75Hz
Test ...
Testing Mode
The new mode will be tested. Your graphics adapter will be set to the new mode temporarily so you can determine whether it works properly. Please press OK and then wait 5 seconds.
OK
Cancel
< Back
Next >

After the system implement testing new mode as user set up.

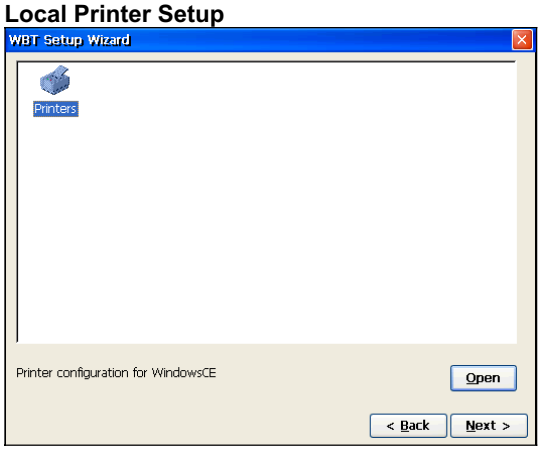
The system will notify user “did you see the test image properly”.


WBT Setup Wizard
Desktop Area and Refresh Frequency
The best available Desktop Area (resolution) and Refresh Frequency has been selected for you. You may choose other combinations from the list. To ensure your selection works with your monitor, click Test.
Desktop Area and Refresh Frequency
640 x 480 @75Hz
Test ...
Testing Mode
Did you see the test image properly?
Yes
No
< Back
Next >

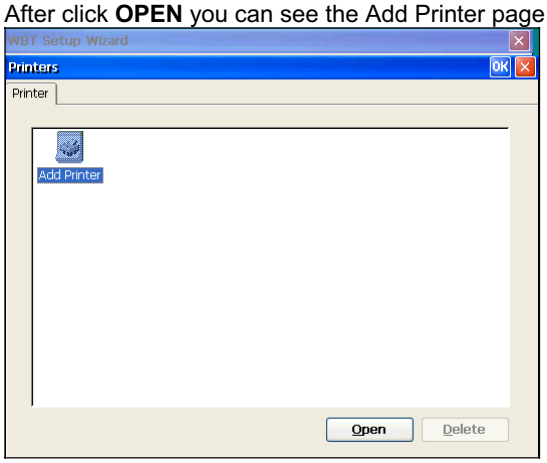
3.2.4 Local Printer Setup

The terminal supports Local Print. If you want to connect this terminal with a Local Printer, then click OPEN. If not, then click NEXT.

Local Printer Setup



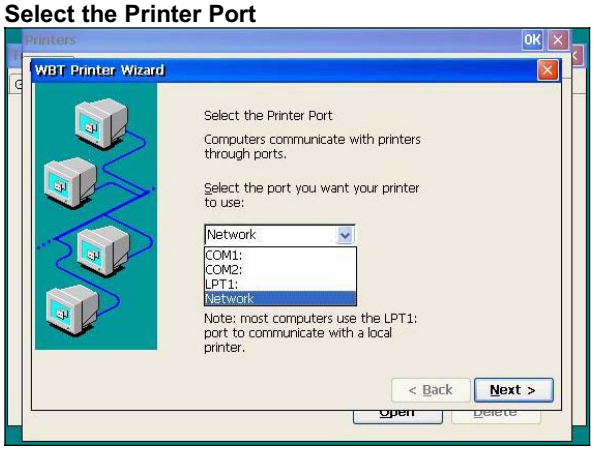
After click **OPEN** you can see the Add Printer page then click **OPEN** again you can see the Select the printer Port page.



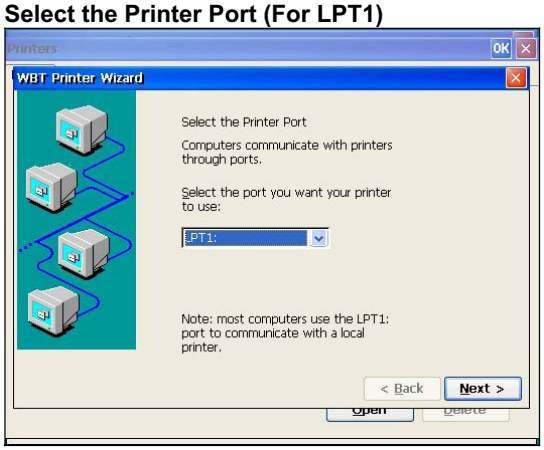
3.2.5 Select the Printer Port

Select one of the ports, LPT1, COM1 or COM2 port that you want to use to communicate with your local printer. Or you can select Network to set a network printer. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.

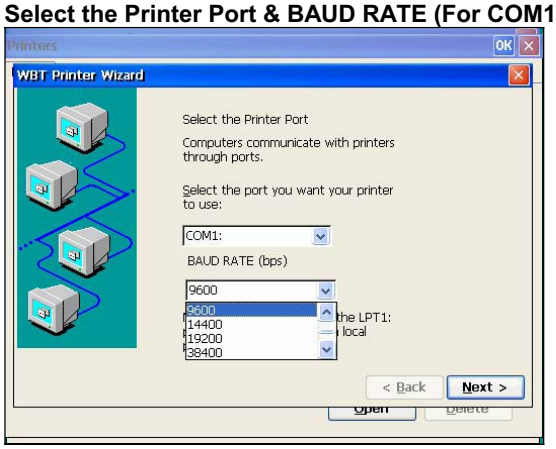
Select the Printer Port



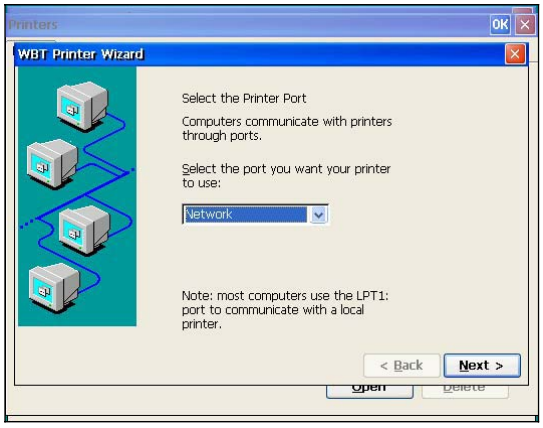
Select the Printer Port (For LPT1)


Printers
WBT Printer Wizard
Select the Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use:
LPT1:
Note: most computers use the LPT1: port to communicate with a local printer.
< Back
Next >

Select the Printer Port & BAUD RATE (For COM1 or COM2)



Select the Network Printer

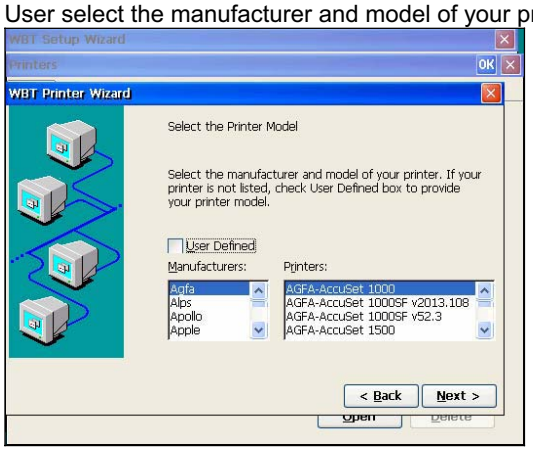

Printers
WBT Printer Wizard
Select the Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use:
Network
Note: most computers use the LPT1: port to communicate with a local printer.
< Back
Next >

3.2.6 Select the Printer Model

Select the manufacturer and model of your printer. If your printer name is not listed, check with your printer document and select one that is closer. The printer will then show on the dialog box of **Printers Properties** on **Terminal Properties** after press **[F2]** as shown in **chapter 6.5**.

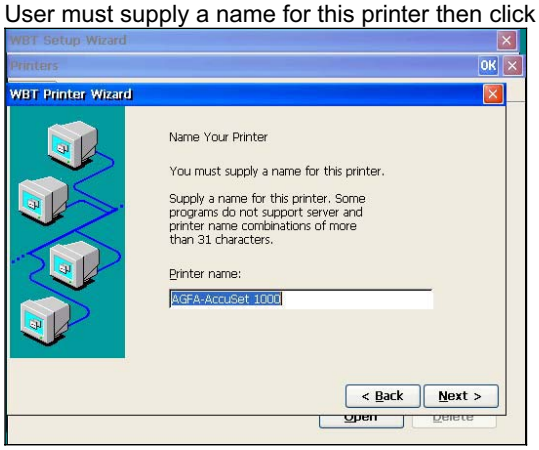
3.2.6.1 Select the Printer Model

User select the manufacturer and model of your printer then click **Next**.



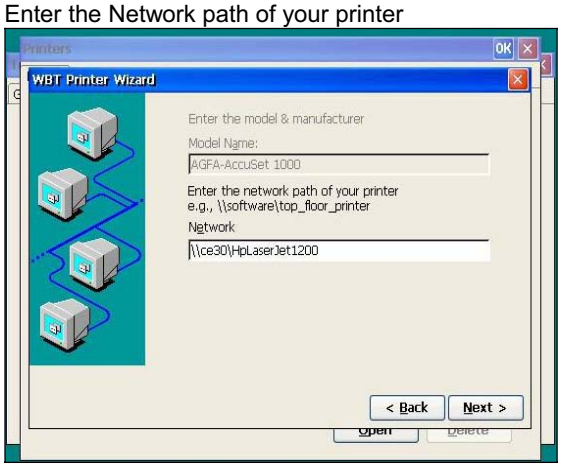
Name Your Printer for COM1, COM2, LPT1

User must supply a name for this printer then click **Next**.


WBT Setup Wizard
Printers
OK
WBT Printer Wizard
Name Your Printer
You must supply a name for this printer.
Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.
Printer name:
AGFA-AccuSet 1000
< Back
Next >

Name Your Printer for Network

Enter the Network path of your printer

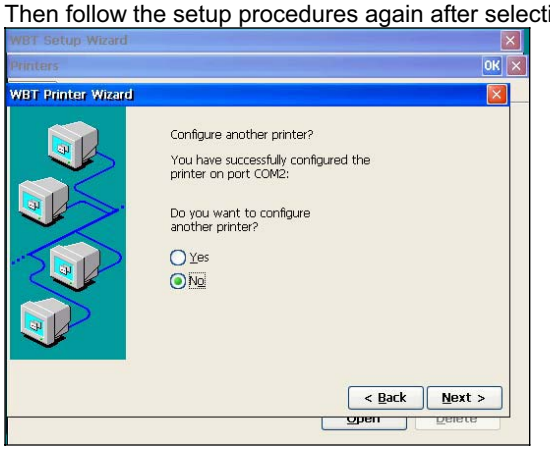


Configure Another Printer

The WBT will notify that “User has successfully configured the printer”
And ask if user want to configure another printer.
If does not please enable **No** and click **Next.** Or enable **Yes** to continue configure another printer.

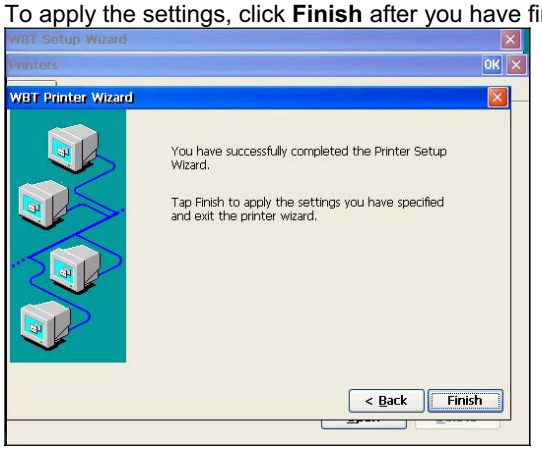
The screen will go back to Select the Printer Port as shown on **page 15**,

Then follow the setup procedures again after selecting the printer port.

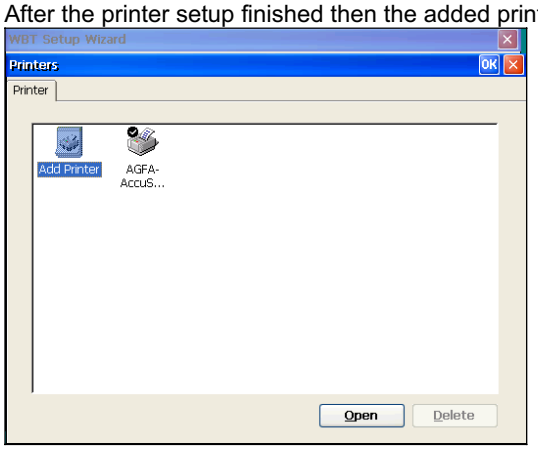


Finish

To apply the settings, click **Finish** after you have finished the Printer Setup Wizard.

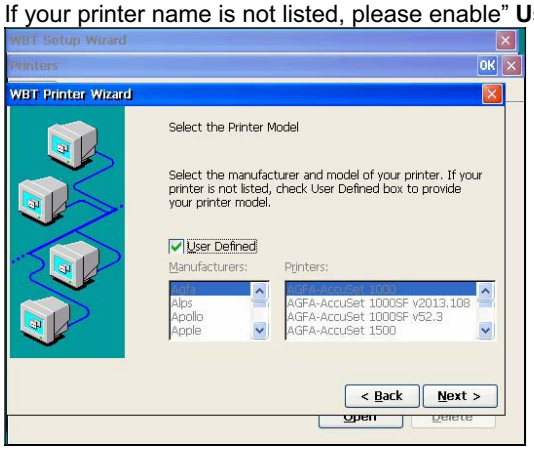

WBT Setup Wizard
Printers
OK
WBT Printer Wizard
You have successfully completed the Printer Setup Wizard.
Tap Finish to apply the settings you have specified and exit the printer wizard.
< Back
Finish

After the printer setup finished then the added printer model would be showed up.



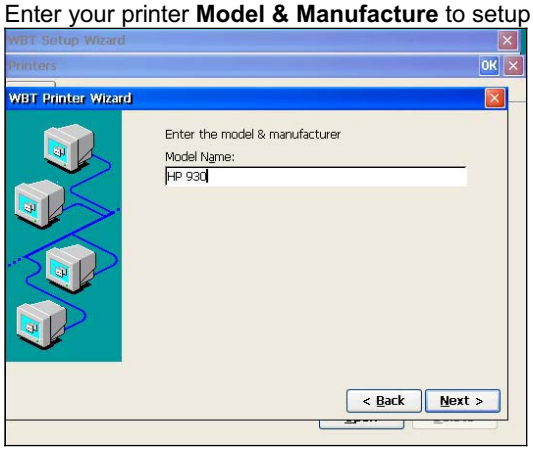
3.2.6.2 User Defined

If your printer name is not listed, please enable" **User Defined**" to setup then click **Next.**

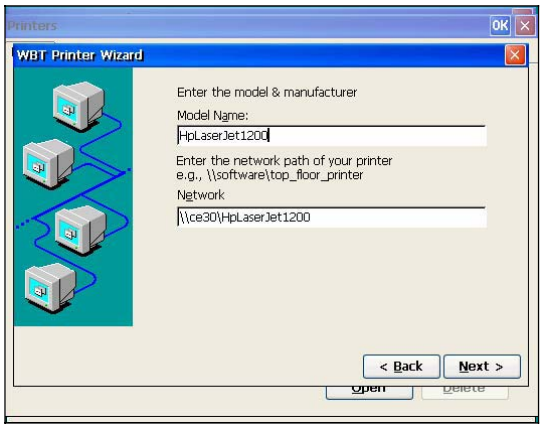


Note: User has to prior install the printer driver in server when performing the **User Defined**.

Enter your printer **Model & Manufacture** to setup then click **Next. (Com1, Com2, Lpt1)**

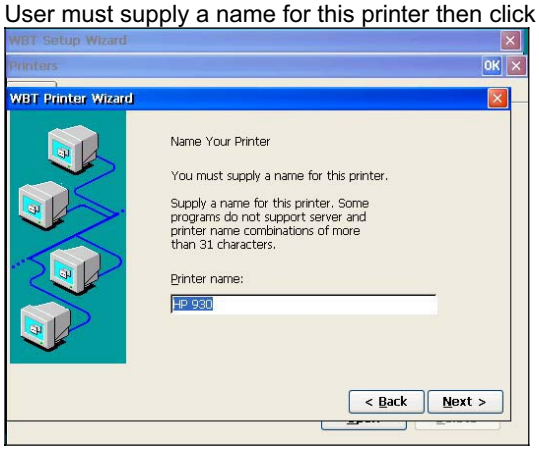


Enter your printer **Model & Manufacture** to setup then click **Next. (For Network Printer)**

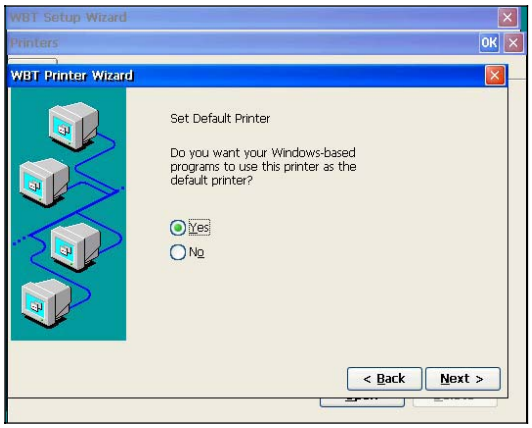


Note: The model name, which you type in the column,
should be identical with what you select from the name list in the server

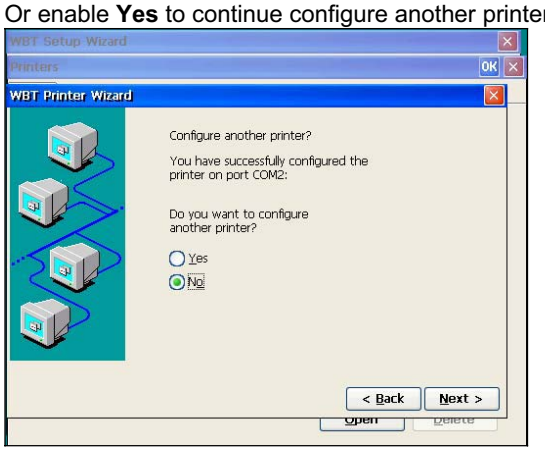
User must supply a name for this printer then click **Next**.


WBT Setup Wizard
Printers
OK
WBT Printer Wizard
Name Your Printer
You must supply a name for this printer.
Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.
Printer name:
HP 930
< Back
Next >

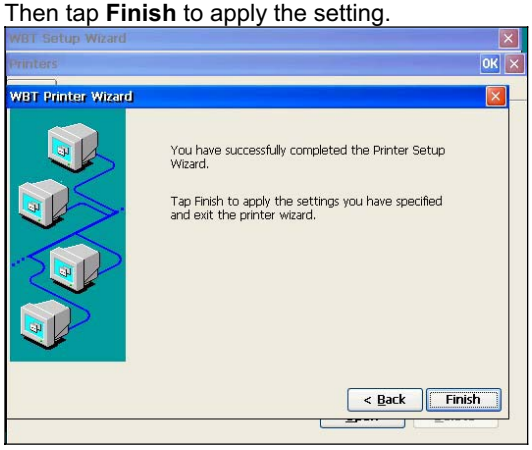
Set Default Printer
User can choose using this printer as the default printer or not.
Click **Next** to process.



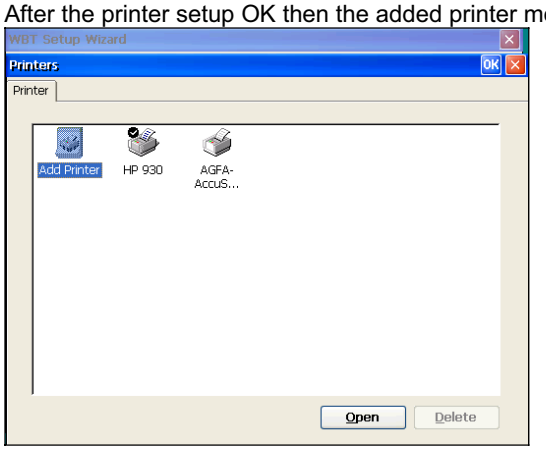
The WBT will notify that “User has successfully configured the printer”
And ask if user want to configure another printer.
If does not please enable **No** and click **Next.**
Or enable **Yes** to continue configure another printer.



Then tap **Finish** to apply the setting.


WBT Setup Wizard
Printers
OK
WBT Printer Wizard
You have successfully completed the Printer Setup Wizard.
Tap Finish to apply the settings you have specified and exit the printer wizard.
< Back
Finish

After the printer setup OK then the added printer model would be showed up.

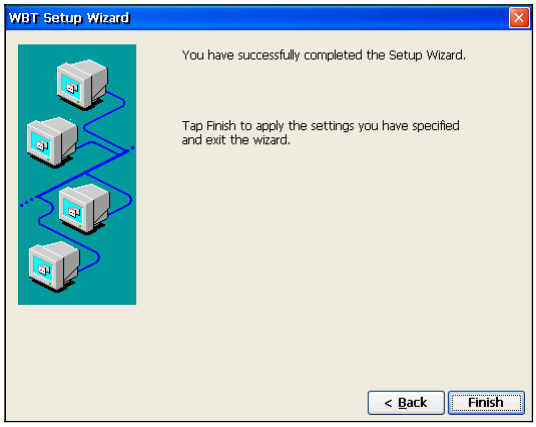


3.2.7 Finish the Setup Wizard

To review or change settings made on previous pages, click **Back**; to apply the settings, click **Finish**.

To change these settings after you have finished the Setup Wizard, press **[F2]** key to display the Terminal Properties sheet.

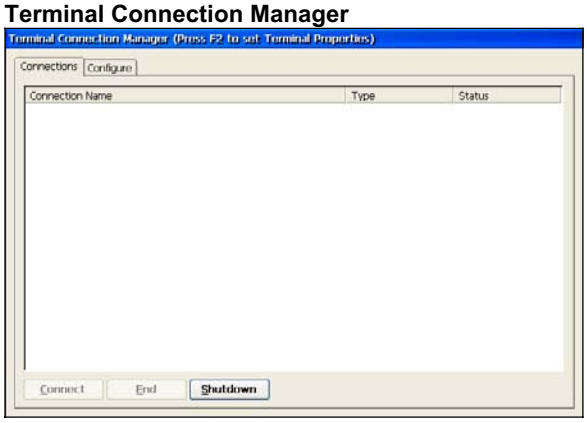
Finish


WBT Setup Wizard
You have successfully completed the Setup Wizard.
Tap Finish to apply the settings you have specified and exit the wizard.
< Back
Finish

4 Connections Management

The **Terminal Connection Manager** dialog box is designed to help you manage your terminal's network connections. The dialog box displays after the terminal's initial splash screen, and consists of the **Connections** properties sheet and the **Configure** properties sheet. The following figure shows the **Terminal Connection Manager** dialog box.

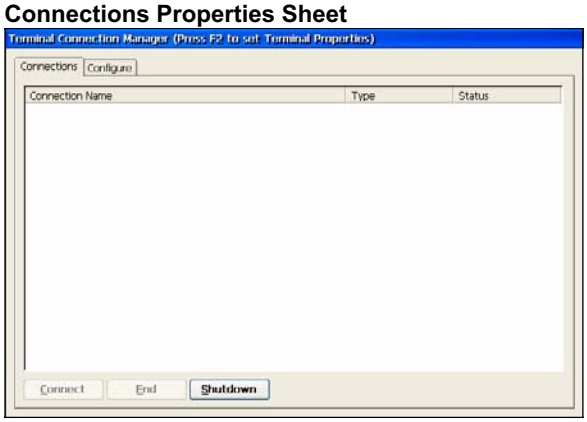
Terminal Connection Manager



4.1 Using the Connections Properties Sheet

The functions of the **Connections** properties sheet are used to make (connect to) terminal network connections. The following figure shows the **Connections** properties sheet.

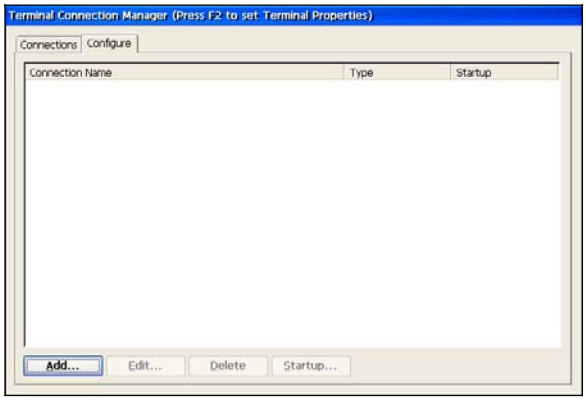
Connections Properties Sheet



4.2 Using the Configure Properties Sheet

The **Configure** properties sheet allows the user to **Add, Edit, Delete**, and configure connections. The following figure shows the **Configure** properties sheet.

Configure Properties Sheet



4.3 Creating New Connections

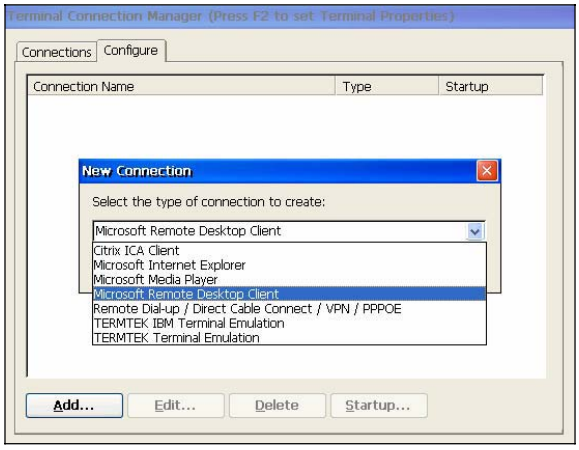
The **New Connection** dialog box is used to create new network connections. This dialog box is invoked by:
Clicking on the **Configure** tab in the **Terminal Connection Manager** dialog box. Clicking on **Add** command button on the **Configure** properties sheet. The following figure shows the **New Connection** dialog box.

New Connection Dialog Box

4.3.1 Choosing a Connection Protocol

Use the scroll list shown in the dialog box above to select the type of connection protocol you want. When you choose from the list above, you are deciding which connection protocol you want to use to connect to a server. Six selections are available:

- **Microsoft Remote Desktop Client**
  RDP (Remote Desktop Protocol) protocol, through which connects to a WBT (Windows-Based Terminal) server. Refer to chapter 4.4 for RDP Connections.
- **Citrix ICA Client**
  ICA (Independent Computing Architecture) protocol, through which connects to an ICA (Winframe/Metaframe) server. Refer to chapter 4.5 for ICA Connections.
- **Remote Dial-up / Direct Cable / VPN / PPPOE**
  Connects to remote server through PPP Dial-up applications or use direct RS232 cable connection. You can even have VPN connection. Refer to chapter 4.6 for all details.
- **Microsoft Internet Explorer**
  Connects to the Internet directly via embedded Internet Explorer. This function doesn't appear in all WBTs. Please make sure your WBT contains embedded IE and has 64MB RAM at least. Refer to chapter 4.7 for the Internet applications.
- **Microsoft Media Player**
  An applications winch you can connect to play a media & set the option in your WBT. Refer to chapter 4.8 for Media Player.
- **Terminal Emulation**
  Connects to multiple terminal emulation applications.
- **IBM Terminal Emulation**
  Connects to IBM-related terminal emulation applications.



4.4 RDP Connections

To create a new RDP connection, use the **Terminal Connection Wizard**. Make selections and enter the data in each dialog box.

Click on the **Next** command button to move to the next dialog box. When you are finished, the new connection will be added to the **Connection Name** list in the **Terminal Connection Manager**.

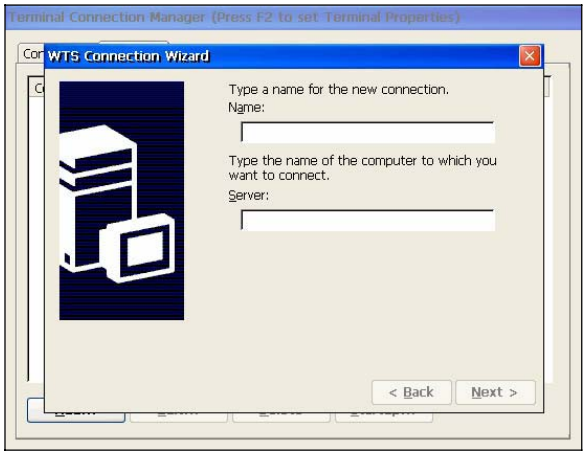
Click on the **Back** command button to go to the previous dialog box.

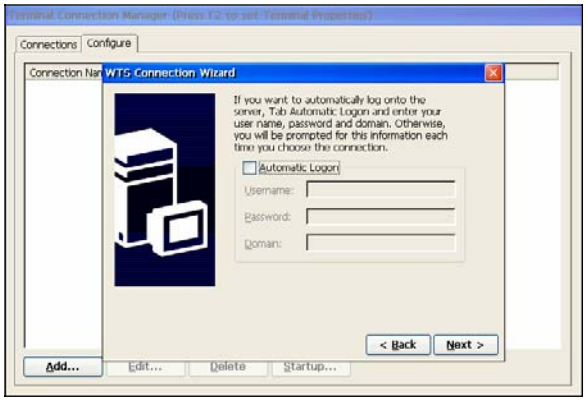
Click on the "**X**" icon on the top right of this dialog box to quit the setting at any time.

The following four figures show the sequence of the **Terminal Connection Wizard**.

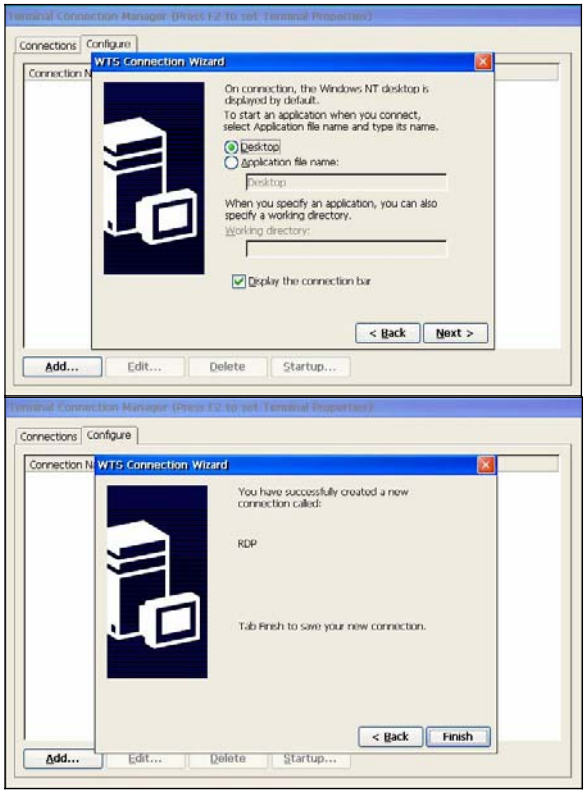
Make selections and enter the **Name** for the new connection and type **IP Address** or **DNS Name** to connect to the server.

Terminal Connection Wizard

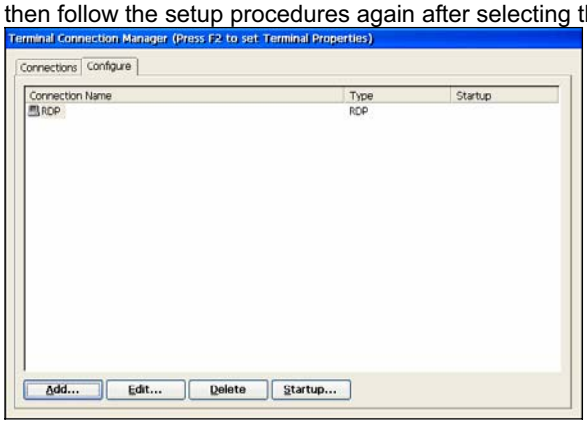

Terminal Connection Manager (Press F2 to set Terminal Properties)
WTS Connection Wizard
Type a name for the new connection.
Name:
Type the name of the computer to which you want to connect.
Server:
< Back
Next >


Connections
Configure
WTS Connection Wizard
If you want to automatically log onto the server, Tab Automatic Logon and enter your user name, password and domain. Otherwise, you will be prompted for this information each time you choose the connection.
Automatic Logon
Username:
Password:
Domain:
< Back
Next >
Add...
Edit...
Delete
Startup...

Click on **Desktop** if you want the Windows NT desktop displayed by default while connecting. Or click on **Application file name** and type its name when you want to start this application while connecting. You can also specify a working directory when you specify an application. If **default the connection bar** is enable. The connection bar will be showed on the Windows desktop. If it is disable. The connection bar will be hided.

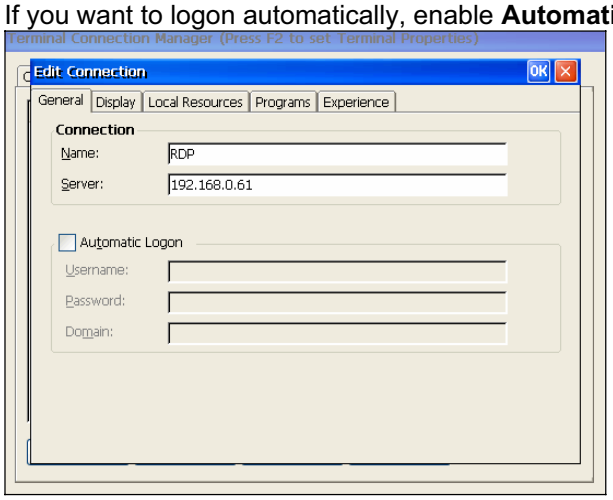


After finish the setup then you can see the new connection name show in the dialog box.
And Click **Edit** if you want to edit the RDP. The screen will go back to Select the Connection Name as shown on **page 21**, then follow the setup procedures again after selecting the connection.



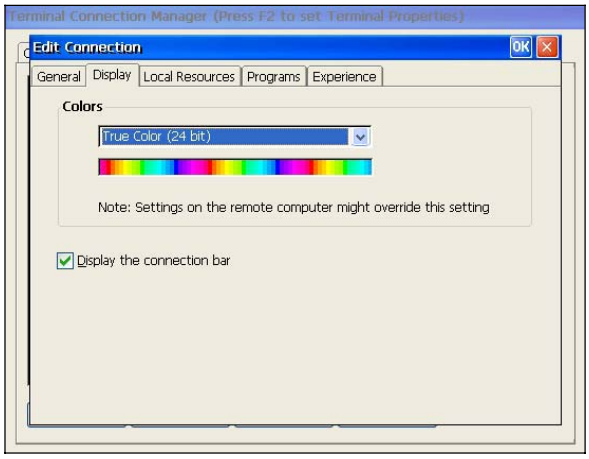
4.4.1 General Tab

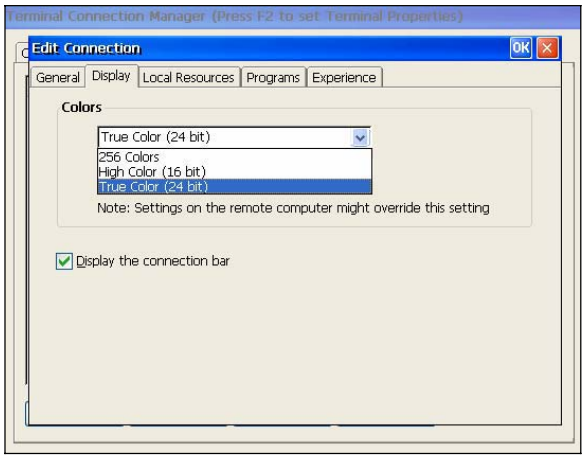
Change the **Name** and **IP Address** or **DNS Name** for the connection.
If you want to logon automatically, enable **Automatic Logon** and type the Username, Password and Domain.



4.4.2 Display Tab

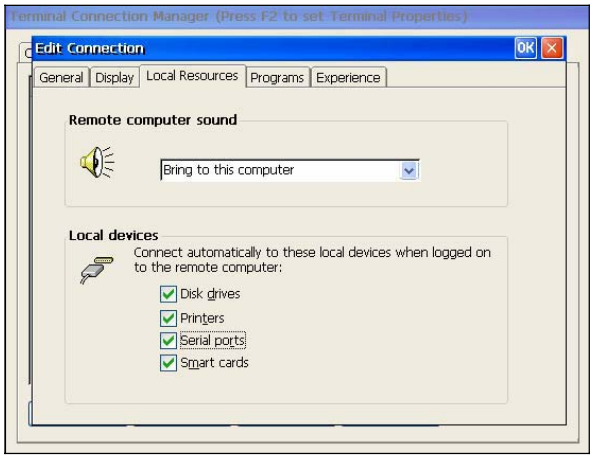
Change the Colors for RDP connection.
If **default the connection bar** is enable. The connection bar will be showed on the Windows desktop. If it is disable. The connection bar will be hided.



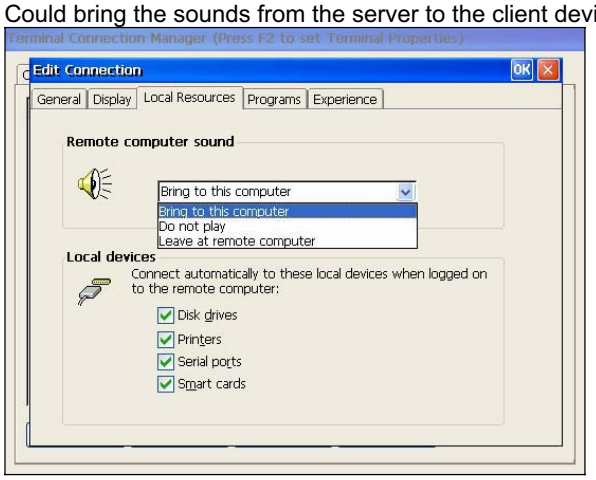


4.4.3 Local Resource Tab

Functions shown in local device.

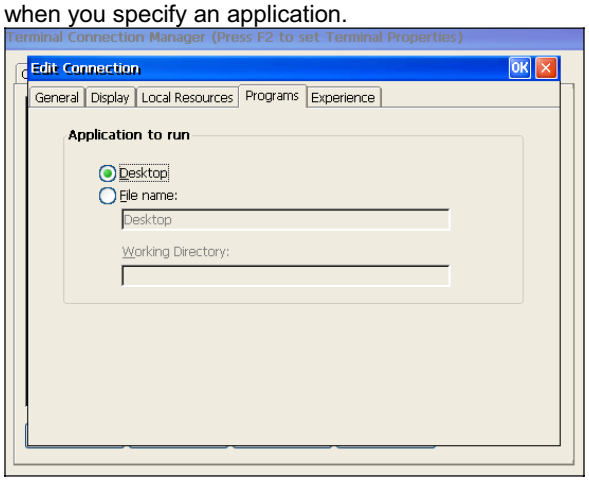


Choosing “Bring to this computer”.
Could bring the sounds from the server to the client device.



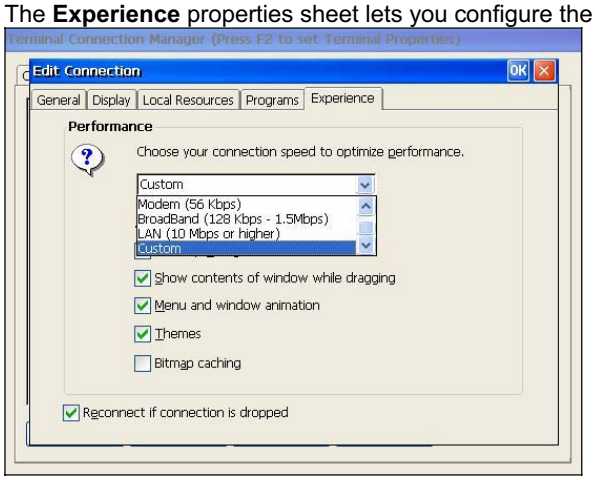
4.4.4 Programs Tab

Click on **Desktop** if you want the Windows NT desktop displayed by default while connecting. Or click on **Application file name** and type its name when you want to start this application while connecting. You can also specify a working directory when you specify an application.



4.4.5 Experience Tab

The **Experience** properties sheet lets you configure the connection speed.



4.5 ICA Connections

Use this application to create a Citrix ICA connection. Choose the Network Connection or Dial-In Connection for the remote application.

4.5.1 Creating a New ICA Connection Entry

You can configure and run two types of ICA sessions: Citrix server connections and published applications.

- *Citrix server connections* allow you to remotely control a session on a Citrix server from your WBT. Citrix server connections let you access the desktop of a specific Citrix server; you can run any applications available on the desktop, in any order.
- *Published applications* are specific applications set up by an administrator for remote users to run. When connected, you are presented with the application itself.

Note This procedure describes the simplest way to create a connection entry. When you follow these steps, you set the essential items you need to connect to a Citrix server from your WBT. See “Changing a Connection Entry” for more information about how to change the other properties for a connection entry.

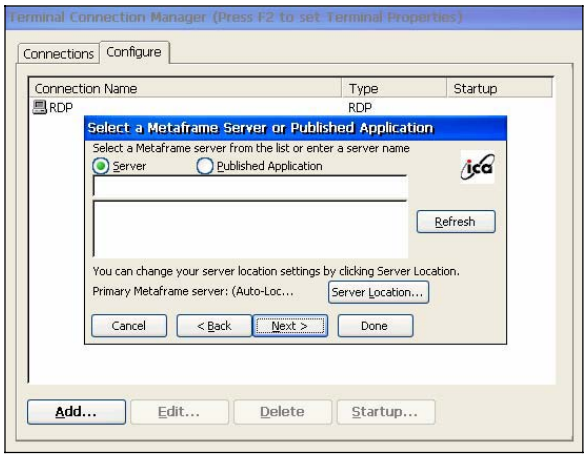
4.5.1.1 To create a new connection entry

a. In the **Connection Manager** dialog box, click the **Configure** tab.

b. Click **Add**.

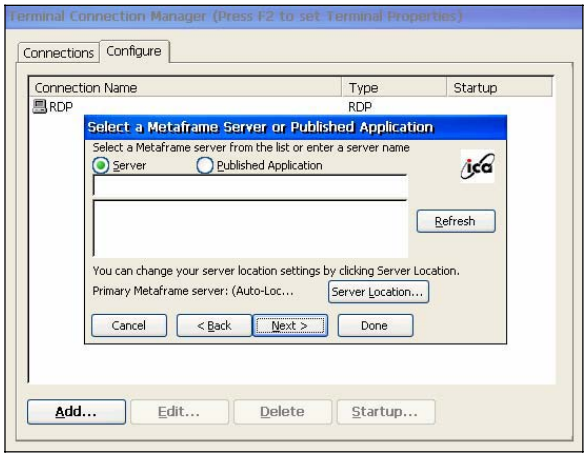
c. In the **New Connection** dialog box, click the list box and select **Citrix ICA Client**. Click **OK**.

The **Specify Connection Type** dialog box appears:
Make sure your WBT is connected to the network through the on-board RJ-45 connector or by a serial PPP connection to a Windows 95 or Windows NT RAS server. Click **Next** to continue. Skip to section **4.5.1.2.**



Note The ICA Windows-based Terminal does not support modem callback. When using modem callback, the server hangs up on dial-in connections at logon and then dials a specified number to reconnect to the user attempting to log on. Because Windows-based Terminal contains no mechanism to answer the return call, the ICA Windows-based Terminal does not support modem callback for dial-in connections.

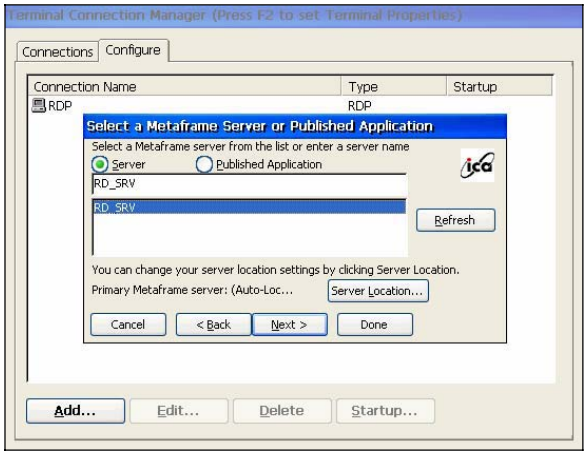
4.5.1.2 The Select a Server or Published Application dialog appears:



4.5.1.3 Click **Server** to connect to a server or **Published Application** to connect to a published application. Click "**Refresh**" and then WBT will search for the available Citrix servers on the network. A message will display as below:

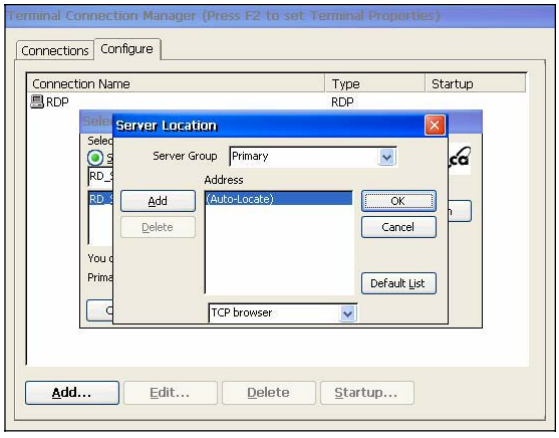
Then the available Citrix server names will be displayed:

Select a Citrix server you would like to connect to:



If your WBT is not on the same network as the Citrix server you would like to connect to, the server name will not appear in the list (this would occur if you are on the other side of a router, across the Internet, or using RAS to connect to a remote network containing Citrix servers). In this case, click **Server Location** and go to section **4.5.1.5**. Otherwise, scroll through the list and select the Citrix server or published application or type the name of the Citrix server or published application in the edit field. Click **Next** to continue, and go to section **4.5.1.5**.

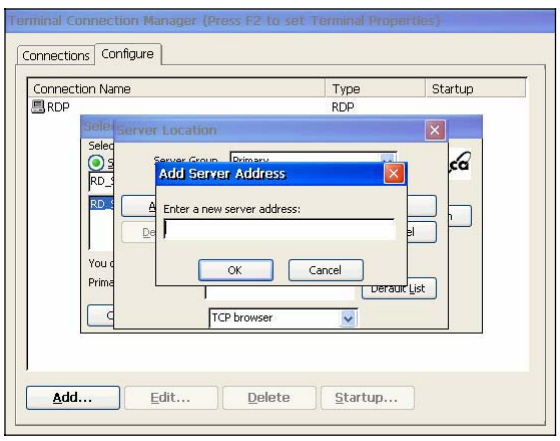
4.5.1.4 The **Server Location** dialog box appears:



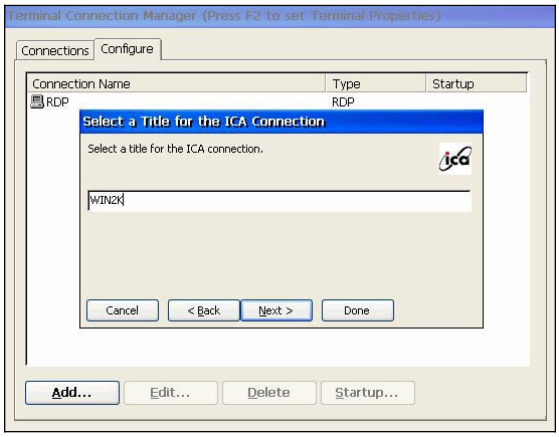
Remote Application Manager uses the information entered in the **Server Location** screen to help locate available Citrix servers and published applications.

The default server location protocol is **TCP Browser** and the default value entered in the **Address** field is **Auto-Locate**.

Click **Add** and enter the IP address or DNS name of any Citrix server on the remote network. Click **OK**, then click **Next** to section **4.5.1.5.** The following figures show the sequence of settings.



4.5.1.5 The **Select a Title for the ICA Connection** page appears:



Enter a name for the connection entry. The name you choose is the name of the entry in the **Current Client Connections** list and appears in the title bar of the ICA session window.

4.5.1.6 Click "**Done**" to save the entry or "**Cancel**" to exit the new connection entry dialog box without saving the entry. You also can click on "**Next**" to continue configuring other detail settings; the details will be described in section from 4.5.3.2 to **4.5.3.6**. Once you have created a connection entry, the name appears in the list of connections in **Connection Manager**.

4.5.2 Connecting to a Citrix Server

4.5.2.1 To start a previously defined connection

b. In the **Connection Manager** dialog box, click the **Connections** tab.

c. Select the desired connection name and click **Connect**.

If you specified a valid user name and password in the connection entry, you are logged in as that user.

If no user name and password are present in the entry or the information is incorrect, the server logon dialog box appears. Enter a valid user name and password for the Citrix server and click "**OK**" to log on.

4.5.3 Changing a Connection Entry

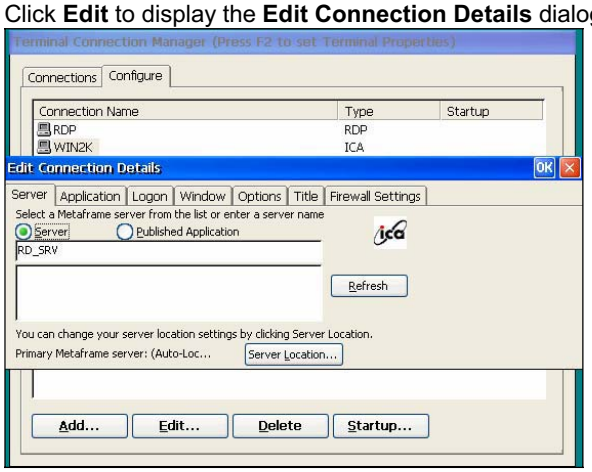
This section describes how to change the properties of an existing connection entry.

4.5.3.1 To change the properties of a connection entry

d. In the **Connection Manager** dialog box, click the **Configure** tab.

e. Click the name of the connection entry that you want to change.

Click **Edit** to display the **Edit Connection Details** dialog box.



f. Make the desired changes.

g. Click **OK** to save your changes.

The **Edit Connection Details** dialog box contains the following tabs:

a. The **Server** tab (network connection entries only), where you can set the server or published application name to which to connect. There is also a button to display the **Server Location** dialog box where you can set Business Recovery options, please refer to section 4.5.1.5 for more information.

b. The **Dial-in** tab (dial-in connection entries only), where you can set the area code, country code, and telephone number to dial. You can use the settings on this page in the same way as when you first set up the connection entry, see “Creating a New Connection Entry” for more information.

c. The **Application** tab, where you can specify an application to run after connecting to a Citrix server, see section 4.5.3.2 “Specifying an Application to Run after Connecting to a Citrix Server” for more information.

d. The **Logon** tab, where you can set the user name, password, and domain to log in to the Citrix server automatically, see section 4.5.3.3 “Specifying Logon Information” for more information.

e. The **Window** tab, where you can set the number of colors used for the ICA Client window, see section 4.5.3.4 “Changing the Window Properties” for more information.

f. The **Options** tab, where you can control the connection between the Citrix server and your WBT and configure sound support, see section 4.5.3.5 “Setting Connection Entry Options” for more information.

g. The **Title** tab, where you can change the name of the connection, the name appears in the list in the **Connection Manager** dialog box. See section 4.5.3.6 “

The **Firewall Settings** tab, where you can configure the client to use a SOCKS proxy and alternate address re-mapping, see section 4.5.3.7 “Configuring Firewall Settings” for more information.

4.5.3.2 Specifying an Application to Run after Connecting to a Citrix Server

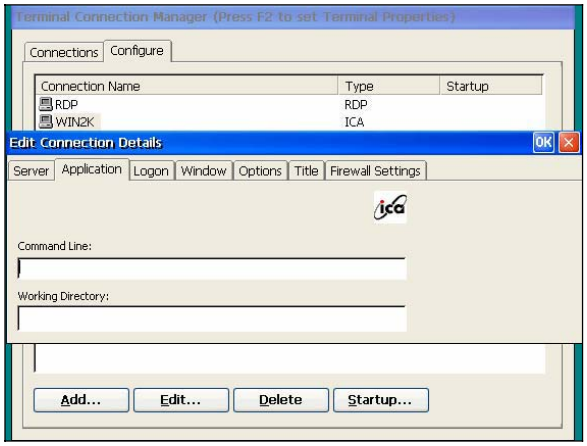
Use the **Application** tab to specify an application to run after connecting to a Citrix server. If you specify an application, you do not see the Windows desktop when you connect and the connection is closed when you exit the application.

Note This tab does not apply to connection entries for published applications. Any value entered is ignored.

a. In the **Connection Manager** dialog box, click **Configure**.

b. Select the connection entry that you want to change and click **Edit**.

c. Click the **Application** tab.



d. In the **Command Line** box, specify the path and file name of the application to be run after connecting to the Citrix server. For example, to launch Notepad automatically after connecting to the Citrix server, type: C:\Wtsrv\Notepad.exe

e. In the **Working Directory** box, specify the working directory to be used with the application. If you use Notepad to work on documents in the C:\My Documents directory, type **C:\My Documents**.

f. Click **OK** to save your changes.

When you log on to the Citrix server, Notepad begins. In Notepad, if you select **Open** from the **File** menu, the C:\My Documents directory is displayed.

4.5.3.3 Specifying Logon Information

You can include the settings needed to log on to the Citrix server as part of the connection entry. This saves time when connecting to the server but is less secure.

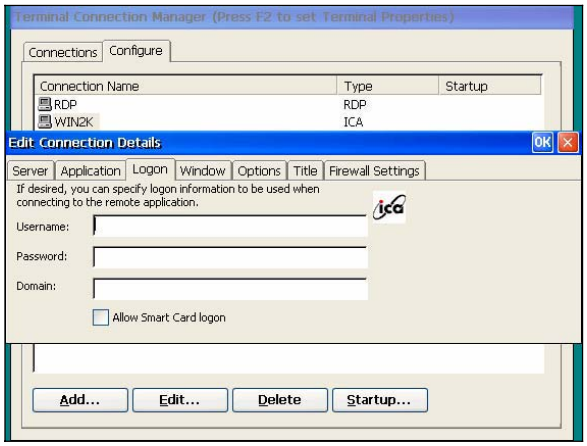
a. In the **Connection Manager** dialog box, click **Configure**.

b. Select the connection entry that you want to change and click **Edit**.

c. Click the **Logon** tab.

d. Type a valid user name, domain, and password. If you leave these boxes blank, you are prompted for your user name, domain, and password each time you connect to the Citrix server or published application.

e. Click **OK** to save your changes.



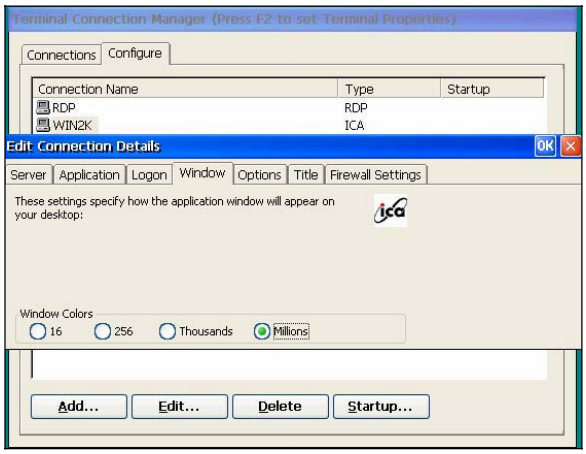
4.5.3.4 Changing the Window Properties

Use the **Window** tab to change the number of colors to use for ICA connections made using the connection entry.

a. In the **Connection Manager** dialog box, click **Configure**.

b. Select the connection entry that you want to change and click **Edit**.

c. Click the **Window** tab.



d. In the **Window Colors** box, set the number of window colors to 16, 256, Thousands or Millions.

e. Click **OK** to save your changes.

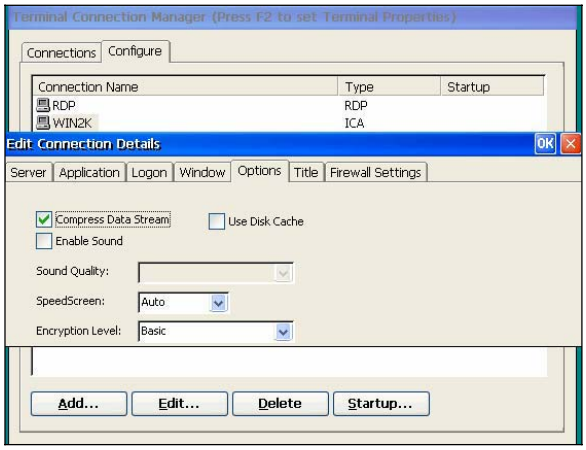
4.5.3.5 Setting Connection Entry Options

Use the **Options** tab to set options specific to the connection entry, such as data compression and sound support.

a. In the **Connection Manager** dialog box, click **Configure**.

b. Select the connection entry that you want to change and click **Edit**.

c. Click the **Options** tab.



d. Click **Compress Data Stream** to reduce the amount of data transferred between the ICA Client and the Citrix server. If your connection is bandwidth-limited, enabling compression can increase performance. If your client device is on a high-speed LAN, you may not need compression. If you have sufficient bandwidth, leave compression off to conserve processing power on the Citrix server.

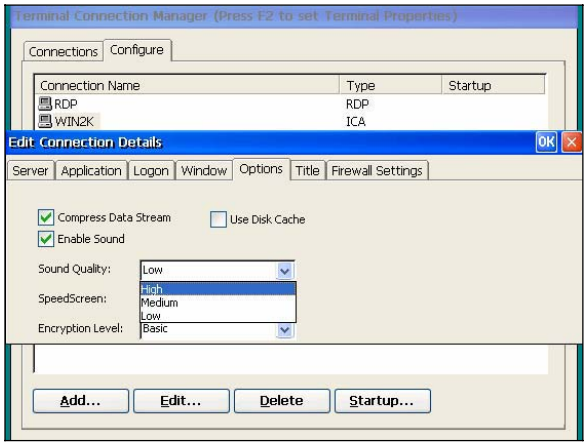
e. The **Cache** feature is not supported in this ICA client version.

f. Click **Enable Sound** to enable sound support. From the pull-down list, select one of the following quality levels.

▪ **High**. This value provides the greatest audio quality but should be used only when bandwidth consumption is not a concern.

- **Medium**. Using this value results in less bandwidth consumption than when using **High**. Compression of sound data provides greater bandwidth efficiency but reduces sound quality somewhat. This value is recommended for most LAN-based connections.
- **Low**. This value offers the most efficient use of bandwidth but also decreases sound quality severely. This value is recommended for low-bandwidth connections, including most modem connections.

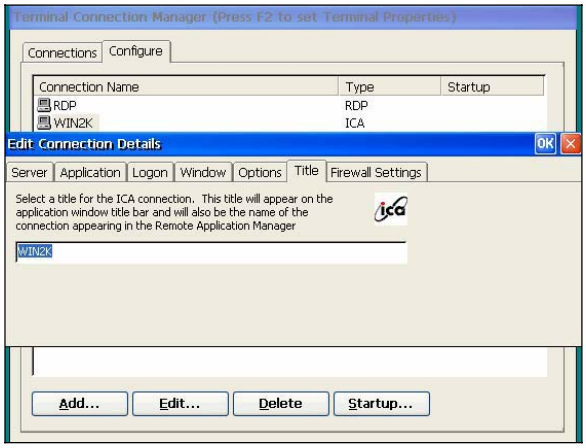
g. Click **OK** to save your changes.



4.5.3.6 Changing the Title of the Connection Entry

By click on the Title tab you can change the title of this selected connection entry.

Click **OK** to save your changes.



4.5.3.7 Configuring Firewall Settings

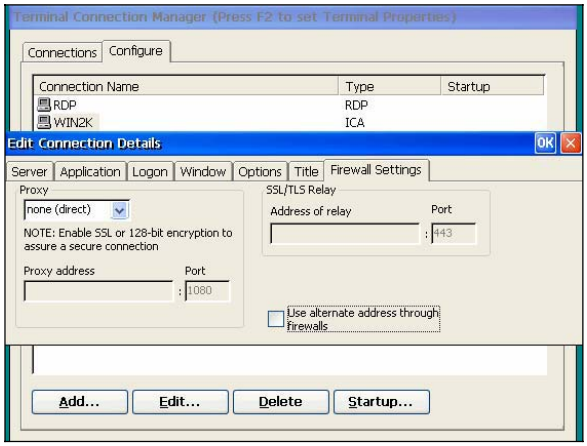
If you are using a SOCKS proxy server to limit access to your Citrix servers, you must configure the ICA Client to connect to Citrix servers through a SOCKS proxy server. You can configure a default SOCKS proxy for all connections or use only a SOCKS proxy with a specific connection file. To do the former one please refer to the section

◆ **To configure a SOCKS proxy server for a specific connection entry**

a. In the **Connection Manager** dialog box, click **Configure**.

b. Select the connection entry that you want to change and click **Edit**.

c. Click the **Firewall Settings** tab.

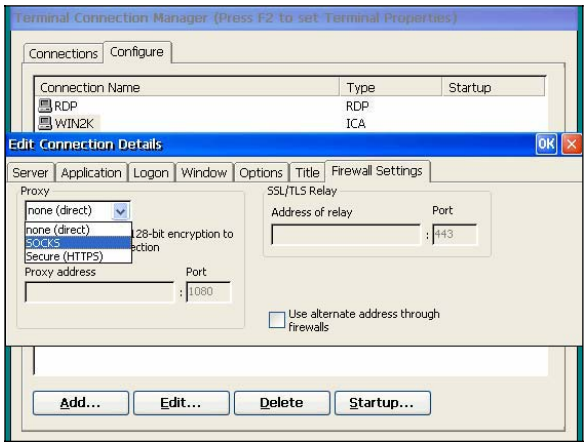


d. Click **Connect via SOCKS proxy**.

e. In the **Address of proxy to use** box, enter the SOCKS proxy server's IP address.

f. In the **Port** box, enter the proxy server's port number (if different than 1080).

g. Click **OK** to save your changes.



◆ **Configuring Alternate Address Translation**

If the ICA Client is outside a firewall that uses address re-mapping, you must configure the ICA Client to use the alternate address returned by the master ICA Browser. This is necessary even if you are not using a SOCKS proxy server.

Note You must also use the ALTADDR utility to manually set the alternate address for each Citrix server, See the Command Reference appendix of either the *MetaFrame Administrator's Guide* or the *WINFRAME System Guide* for more information.

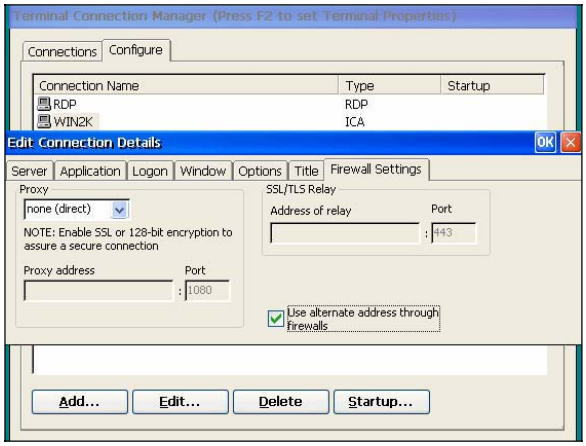
Note If you set alternate address translation for all connection entries, it cannot be disabled for specific connection entries.

◆ **To use alternate address translation for a specific connection entry**

In the **Connection Manager** dialog box, click **Configure**.

Select the connection entry that you want to change and click **Edit**.

Click the **Firewall Settings** tab.



Click **Use alternate address for firewall connection**.

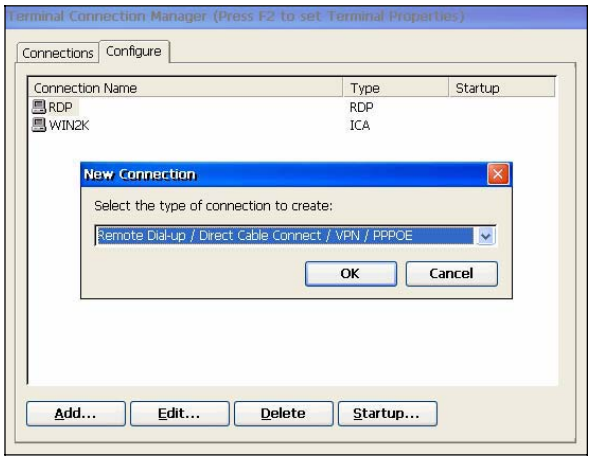
Click **OK** to save your changes.

4.6 Remote Dial-Up/ Direct Cable Connection/ VPN Operations / PPPOE

4.6.1 Remote Dial-Up Connection

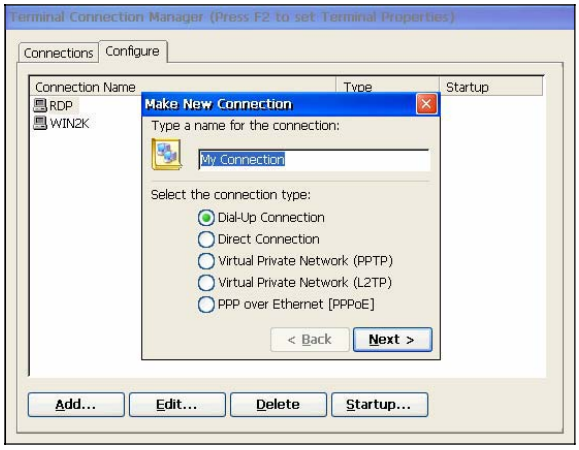
4.6.1.1 Make New Connection

1. In the **Connection Manager** dialog box, click the **Configure** tab.
2. Click **Add**.
3. Scroll through the list and choose **Remote Dial-up/ Direct Cable Connect/ VPN / PPPOE**, click **OK** to make a new connection.



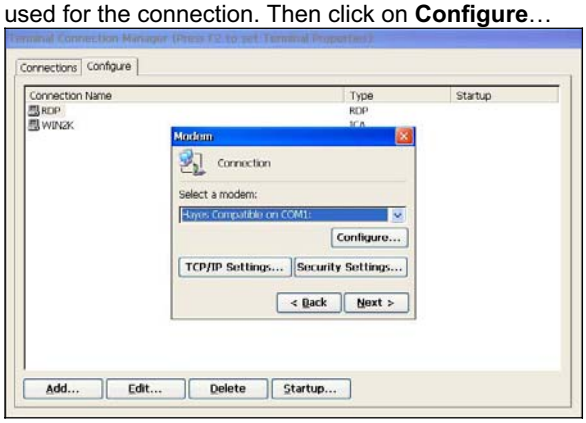
4.6.1.2 Selecting the Connection Type

Choose the connection type by clicking on the radio button. It will decide which connection you want to connect with a server. Three options are available:
Choose **Dial-Up Connection** radio button if you desire to connect with the server through the modem; Or select **Direct Connection** radio button to connect with the server through serial port RS 232;
Or select **Virtual Private Network (PPTP or L2TP)** radio button to build a VPN connection. Here we choose “Dial-Up Connection” ; Or select PPP over Ethernet to build a PPPoE connection, then click on **Next**.



4.6.1.3 Make New Dial-Up Connection

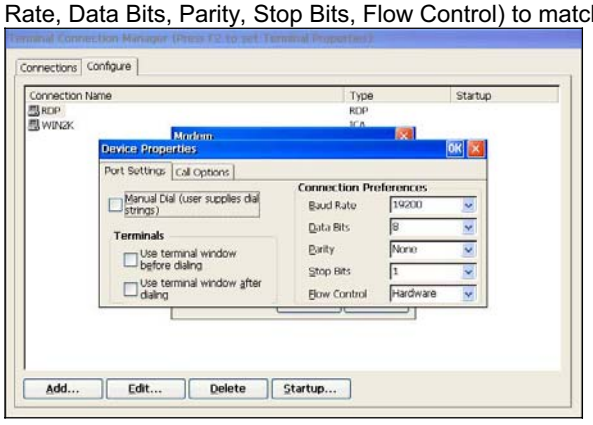
The **Make New Dial-Up Connection** dialog should now appear. Select the serial connection for the current COM port being used for the connection. Then click on **Configure**…



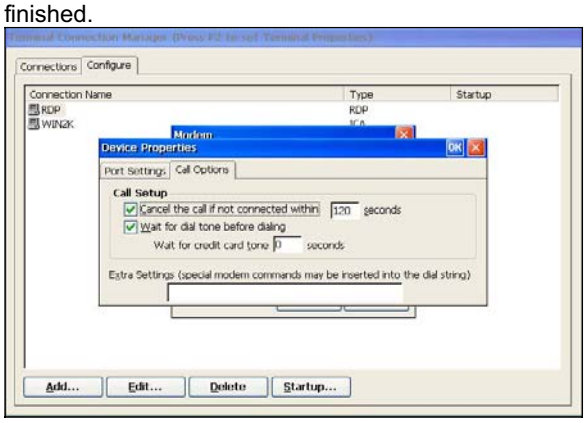
4.6.1.4 Device Properties

Port Setting

The Device Properties dialog should now display. Select the **Port Settings** tab and set the connection preferences (Baud Rate, Data Bits, Parity, Stop Bits, Flow Control) to match the host.

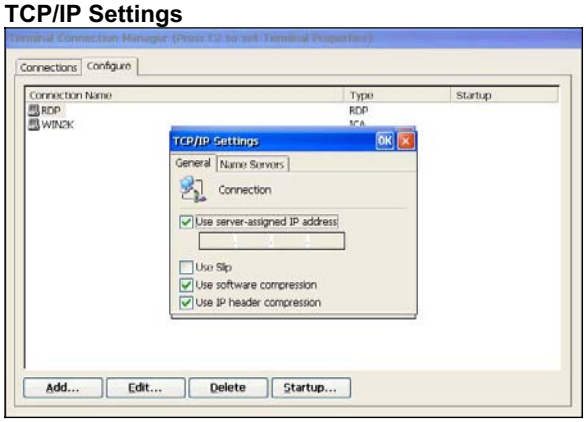


Call Options
Select the Call Options tab. Select “Wait for dial tone before dialing” and deselect the rest of the options. Click “OK” when finished.

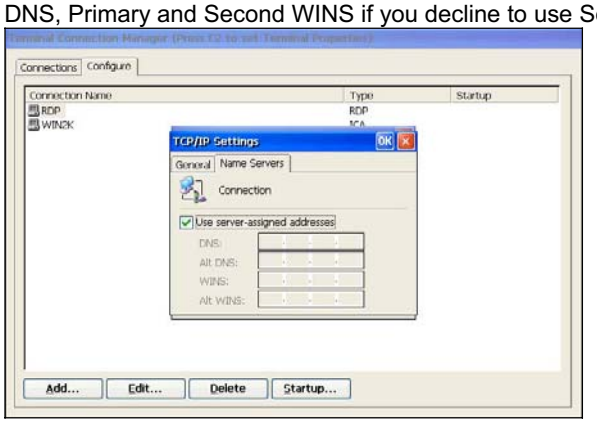


4.6.1.5 TCP/IP Settings

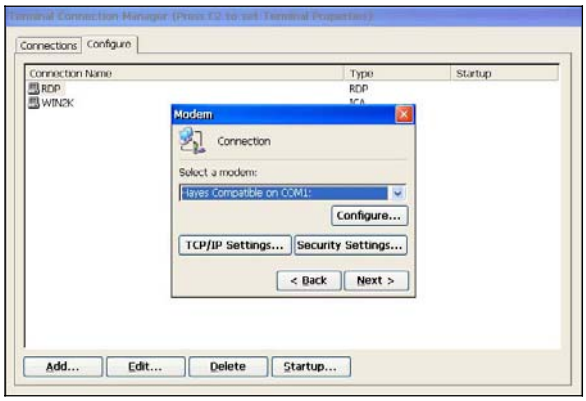
From the **Make New Dial-Up Connection** dialog click on the **TCP/IP** Settings button. In the TCP/IP Settings dialog select the **General** tab. Check the Use server assigned IP address, Use software compression and Use IP header compression.
TCP/IP Settings



Name Servers
Now select the Name Servers tab. Select Use server assigned addresses. When finished, click OK. Set Primary and Second DNS, Primary and Second WINS if you decline to use Server-assigned address.



You will be back in the Make New Dial-Up Connection dialog when finish setup.



4.6.1.6 Security Setting

From the **Make New Dial-Up Connection** dialog click on the **Security Settings** button.
Use the **Security** properties sheet to access security features if you want.

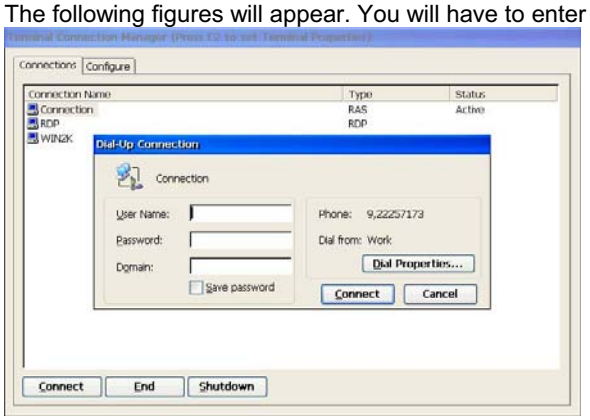
4.6.1.7 Country, Area code and Telephone

Below the Country, Area code and Telephone number must be entered correctly in the blank area for Dial-Up Connection.
Click “Finish” to end this dialog.

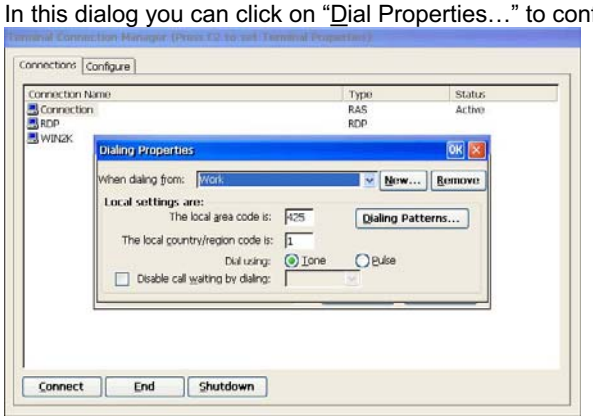
Dial-Up Connection

4.6.1.8 To start PPP Dial-Up Connection

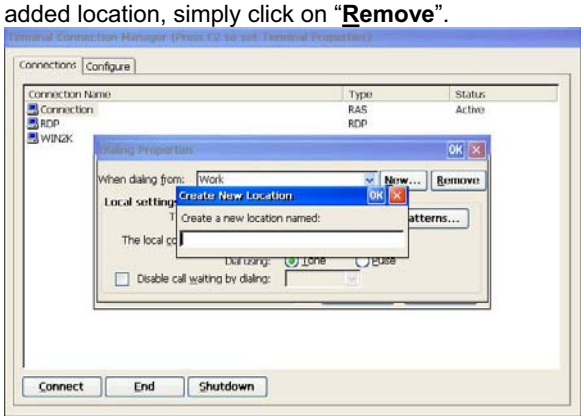
In Connection Manager dialog box click Connections tag and select the RAS connection you would like to connect to. The following figures will appear. You will have to enter the **User Name**, **Password** and **Domain** to log on the connection.



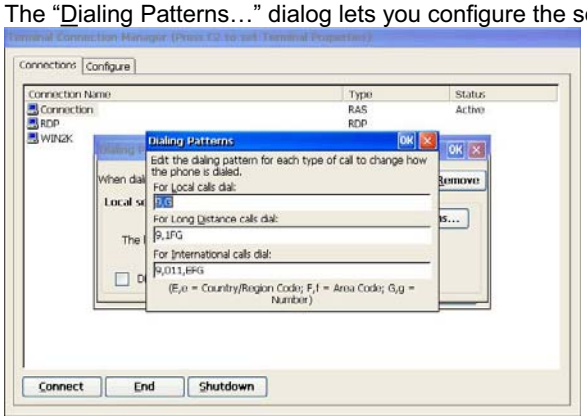
In this dialog you can click on "Dial Properties…" to configure the Dialing Properties shown as below:



You can click on "New…" to add a new location you would like to dial from. The figure shows as below. To delete the newly added location, simply click on "**Remove**".



The “Dialing Patterns…” dialog lets you configure the settings shown as below.



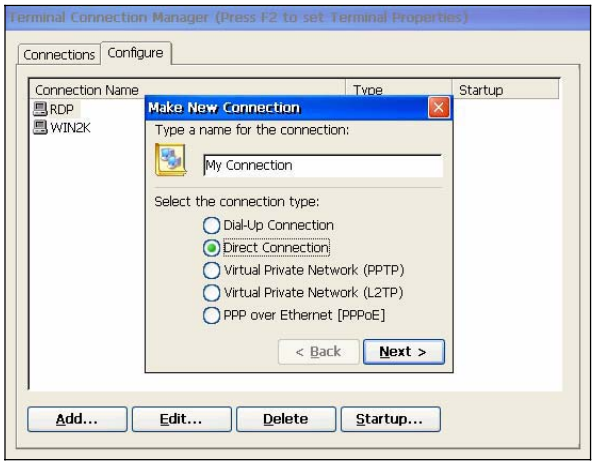
Once everything is correctly set up, click on Connect on Dial-up Connection dialog. The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the PPP Dial-Up is connected successfully, then press the Hot-keys “Ctrl +Alt + End “ to back to the “Terminal Connection Manager ”and double click on RDP or ICA for connection.

4.6.2 Direct Connection

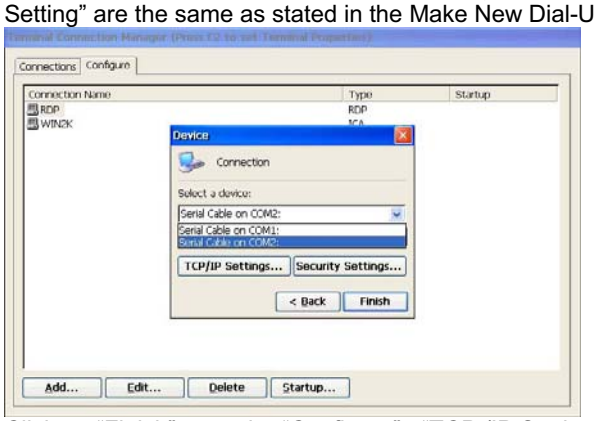
4.6.2.1 Make a New Direct Connection

In the Make New Connection dialog select Direct Connection radio button. Then click on “**Next**”.

Direct Connection



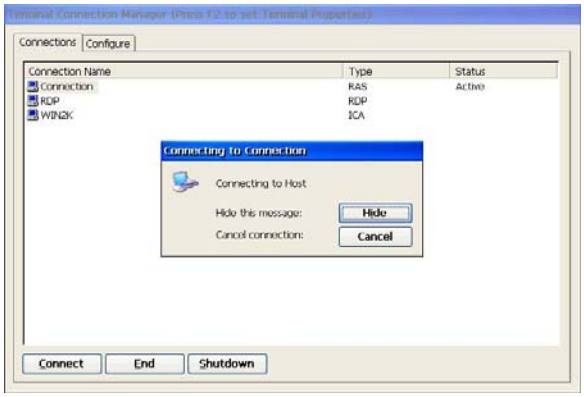
The Make New Direct Connection dialog should now appear. Select the serial connection for the current COM port being used for the connection. Then click on “Configure” and click on “TCP /IP Setting” .The setting of “Configure” and “TCP/IP Setting” are the same as stated in the Make New Dial-Up Connection above.



Click on “Finish” once the “Configure” , “TCP /IP Settings” and “Security Settings” have been completed. Then you will go back to the Configure entry of Terminal Connection Manager.

4.6.2.2 To Start Direct Connection

In Connection Manager dialog box click Connections tag and select the RAS connection you would like to connect to. The figure shows as below.



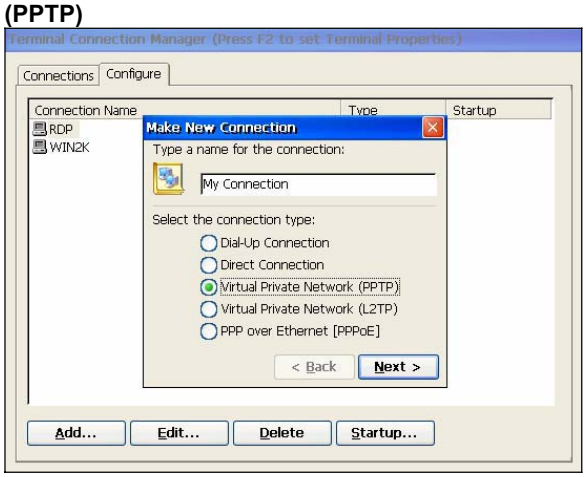
The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the Direct Connection is connected successfully, then press the Hot-keys “Ctrl +Alt + End “ to back to the “Terminal Connection Manager ”and double click on RDP or ICA for connection.

4.6.3 Virtual Private Network Connection

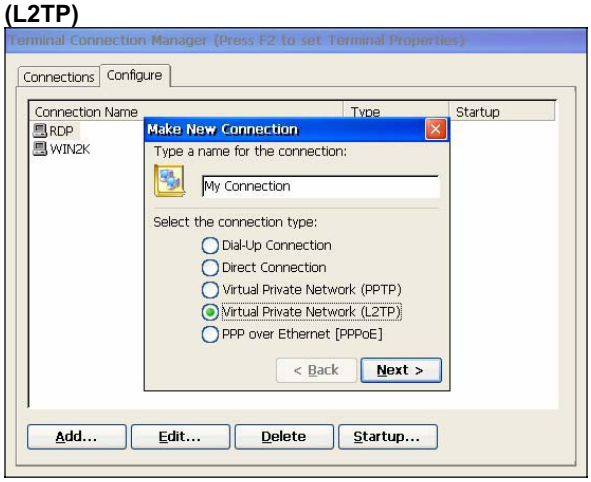
4.6.3.1 Make a New Virtual Private Network Connection

In the Make New Connection dialog select “Virtual Private Network （PPTP / L2TP）” radio button. Then click on “Next”.

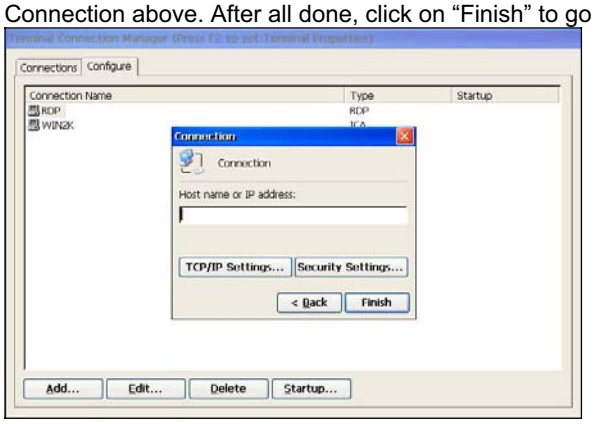
(PPTP)



(L2TP)

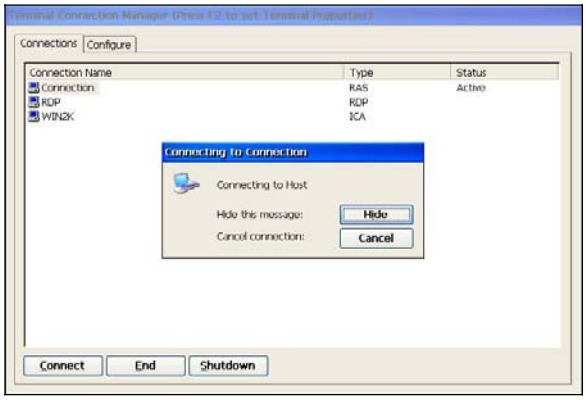


The Make New Virtual Private Network Connection dialog should now appear. Type in the Host name or IP address you wish to connect to. Then click on “TCP /IP Setting” .The TCP/IP Setting is the same as stated in the Make New Dial-Up Connection above. After all done, click on “Finish” to go back to the Configure entry of Terminal Connection Manager.



4.6.3.2 To start Virtual Private Network Connection

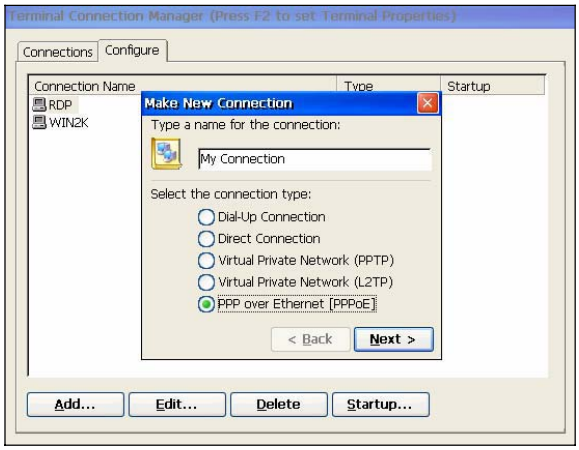
In Connections entry of Terminal Connection Manager select the RAS connection you would like to connect to. The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the Virtual Private Network Connection is connected successfully, then press the Hot-keys “**Ctrl +Alt + End** “ to back to the “Terminal Connection Manager ”and double click on RDP or ICA for connection.



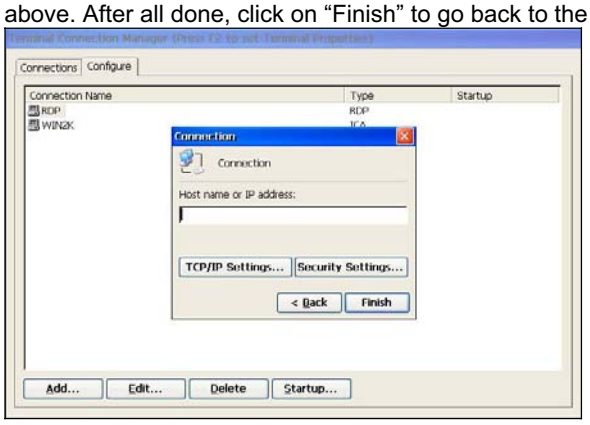
4.6.4 PPP over Ethernet Connection (PPPoE)

4.6.4.1 Make a PPP over Ethernet Connection

In the Make New Connection dialog select “PPP over Ethernet Connection” radio button. Then click on “Next”.

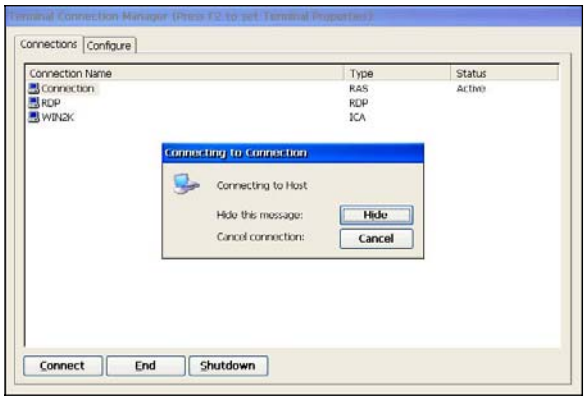


The Make New PPP over Ethernet Connection dialog should now appear. Type in the Host name or IP address you wish to connect to. Then click on “TCP /IP Setting” .The TCP/IP Setting is the same as stated in the Make New Dial-Up Connection above. After all done, click on “Finish” to go back to the Configure entry of Terminal Connection Manager.



4.6.4.2 To start a PPP over Ethernet Connection

In Connections entry of Terminal Connection Manager select the RAS connection you would like to connect to. The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the PPP over Ethernet Connection is connected successfully, then press the Hot-keys “**Ctrl +Alt + End** “ to back to the “Terminal Connection Manager ”and double click on RDP or ICA for connection.

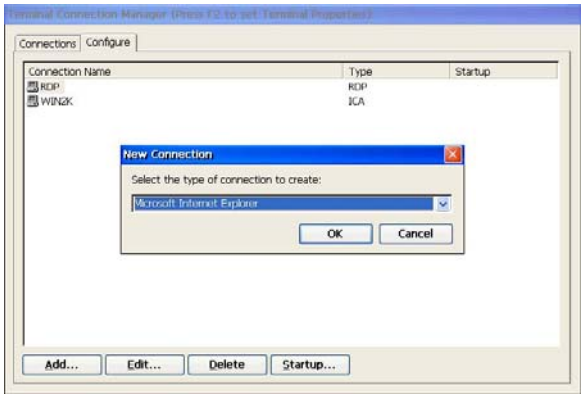


4.7 Microsoft Internet Explorer Connection

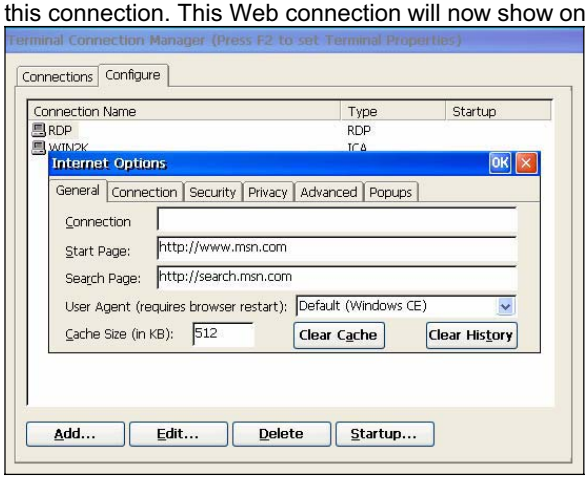
This is an optional function for your WBT; check your vender for this support before your purchase. This local browser connection will require more RAM utilization and powerful CPU to have better performance. This WBT is equipped with a CPU of outstanding speed to offer you a local browser session you never experience before.

4.7.1 To Make a New Microsoft Internet Explorer Connection

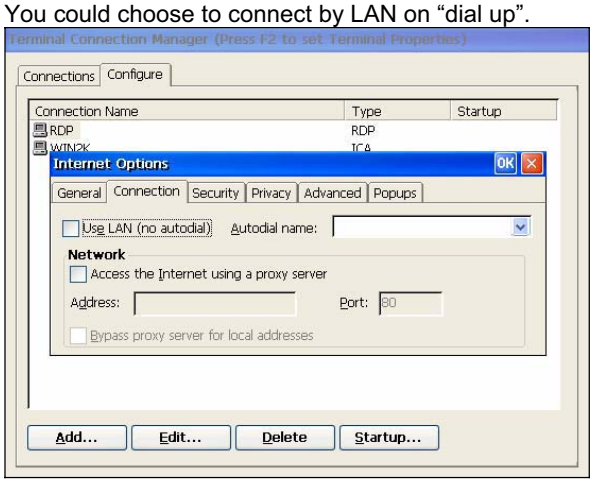
To make a new connection follow the below steps: In **Connection Manager** dialog box click on Configure tab, click on **Add** to add a new connection, scroll through the list in the box, choose **Microsoft Internet Explorer**. Then click on **OK** to continue.



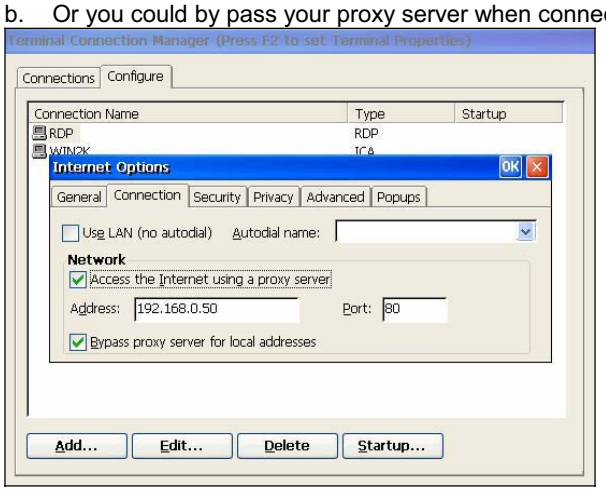
The following figure shall now appear. Type a name and your desired Start Page for this connection, click on **OK** to complete this connection. This Web connection will now show on the Connection Manager.



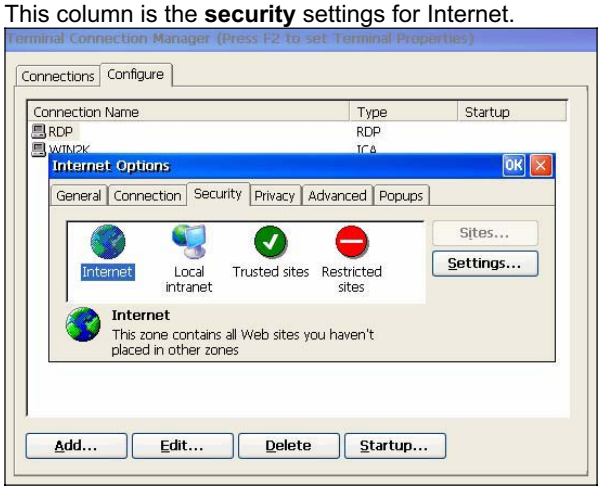
You could choose to connect by LAN on “dial up”.



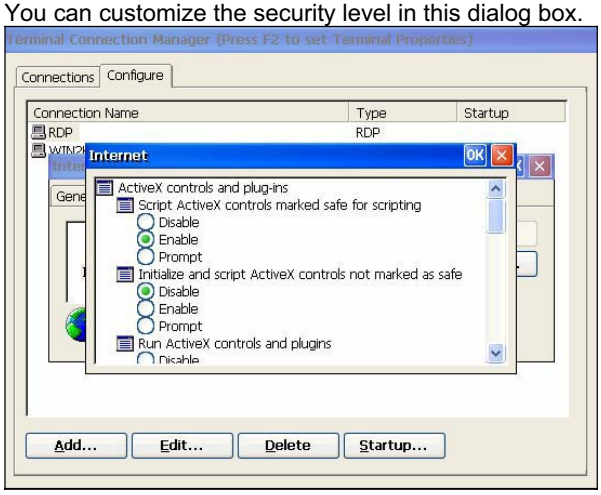
a. If you have a proxy server, you could enable it when access to the Internet.
b. Or you could by pass your proxy server when connecting to the local Internet.



This column is the **security** settings for Internet.

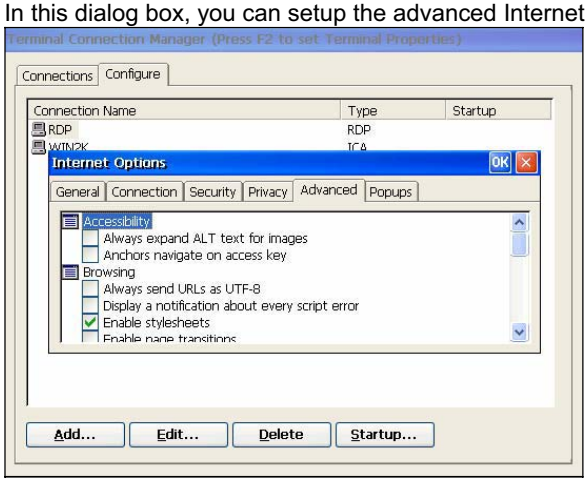


You can customize the security level in this dialog box.

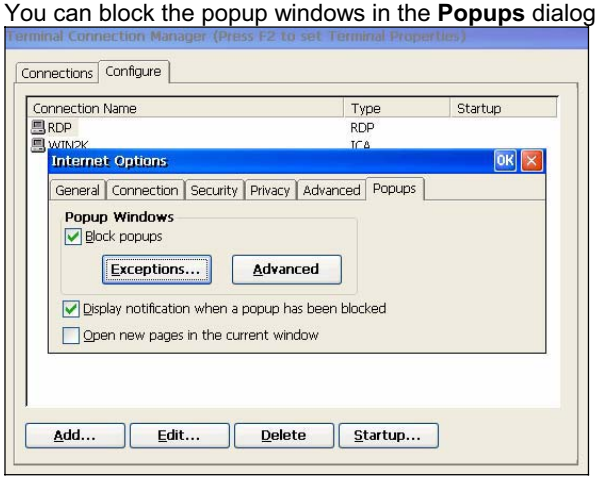


The **privacy** Internet setting can be set up in this dialog box.

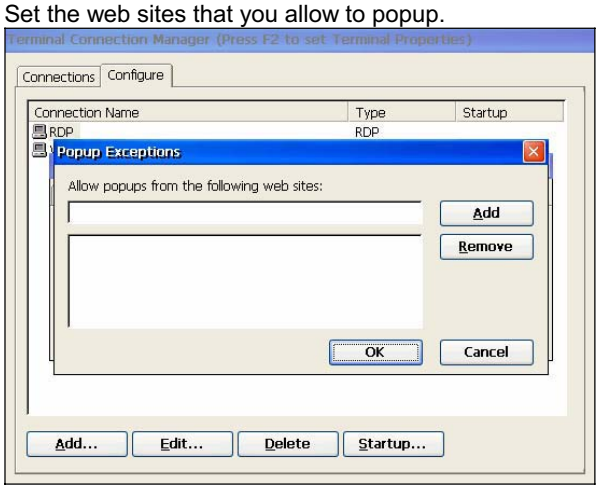
In this dialog box, you can setup the advanced Internet setting.



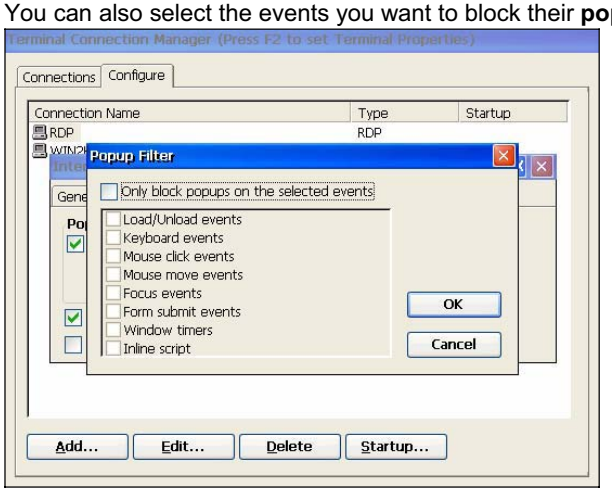
You can block the popup windows in the **Popups** dialog box. .



Set the web sites that you allow to popup.

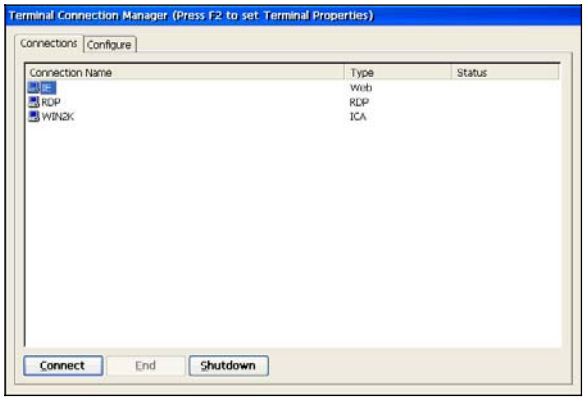


You can also select the events you want to block their **popups**.



4.7.2 To Start a Microsoft Internet Explorer Connection

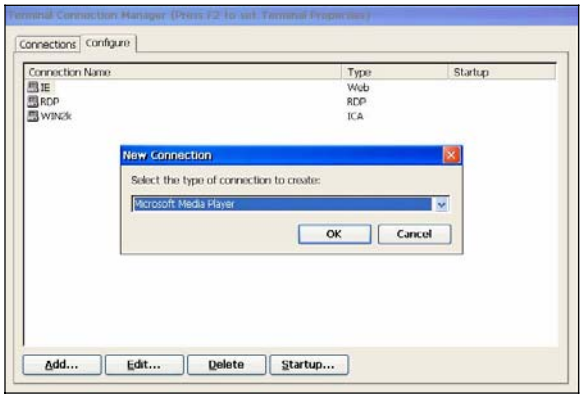
To start this connection simply press F2 to enter the Connection Manger, then click on Connections tab, double click this Web connection. If your network settings have been correctly set up then this is going to work.



4.8 Microsoft Media Player

4.8.1 To Make a New Microsoft Media Player Connection

To make a new connection follow the below steps: In **Connection Manager** dialog box click on Configure tab, click on **Add** to add a new connection, scroll through the list in the box, **Microsoft Media Player**. Then click on **OK** to continue.



4.8.2 The MediaPlayer Editor V2.0

The Dialog of MediaPlayer Editor V2.0 will be showed. You can set the following options:

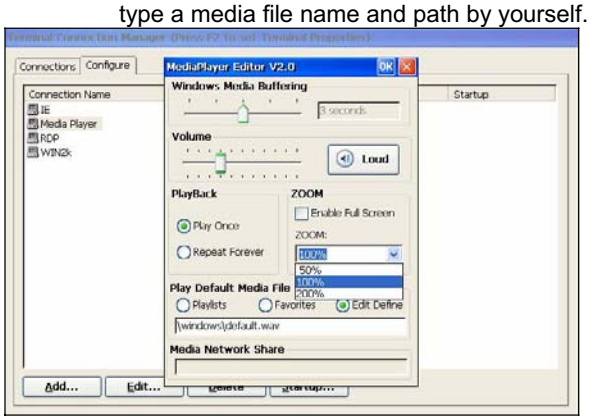
(1) **Windows Media Buffering**: select the buffer **1seconds** <-> **5 seconds**

(2) **Volume**: You can set the volume when playing the media and select the sound is **mute** or **loud**.

(3) **PlayBack** : Select **Play Once** when you want to play a time . Or select **Repeat Forever** when you want the media repeat to play.

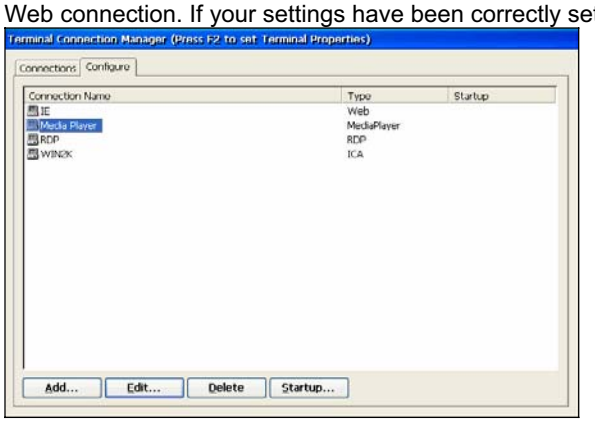
(4) **ZOOM**: If the **Enable Full Screen** is enable .You can see the media is played in full screen mode. You can also select the windows size when the media starts to play. And press **ALT + ENTER** or **ESC** to switch between full mode and general mode.

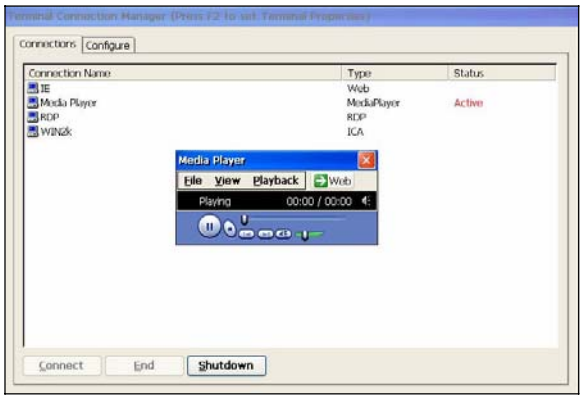
(5) **Play Default Media Files**: You can set which file will be played .The **Playlists** means the recent media which be played. The **Favorites** displays the media files, which you add to my favorites in media player. And if you want to type a media file name and path by yourself. You can select **Edit Define**.



4.8.3 To Start a Microsoft Media Player Connection

To start this connection simply press F2 to enter the Connection Manger, then click on Connections tab, double click this Web connection. If your settings have been correctly set up then this is going to work.



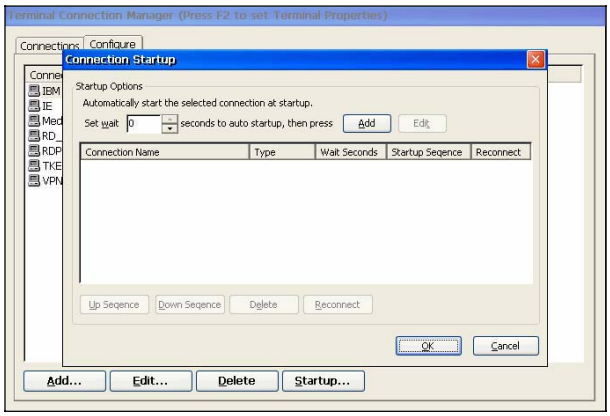


5 Advanced Function for Connections

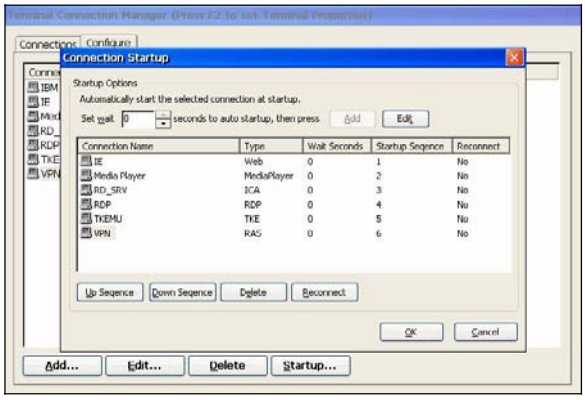
This WBT provides some advanced function for all connections such as Multiple Auto Start-Up and Multiple Auto Reconnect.

5.1 Multiple Auto Start-Up

In Configure tab of Terminal Properties dialog you can choose the connection entry you wish to configure, then click on "Startup", the following figure will appear:

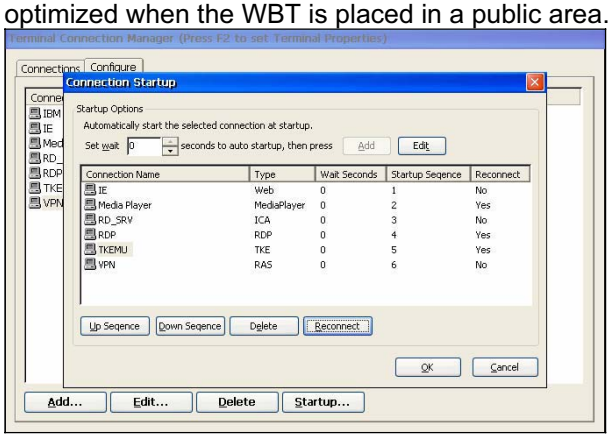


Click on "Add" to add this connection in the list of Startup list. You can repeat this action to have multiple Startups. Use "Up Sequence" and "Down Sequence" to set the priority of starting all the connections. Before this function works successfully, make sure the user names and passwords for all selected connections have been set up properly.



5.2 Multiple Auto Reconnect

In the same figure above you will also find an icon of "Reconnect". This is to set this WBT to immediately and automatically reconnect the same session that you have just logged off. This special function can be widely optimized when the WBT is placed in a public area.

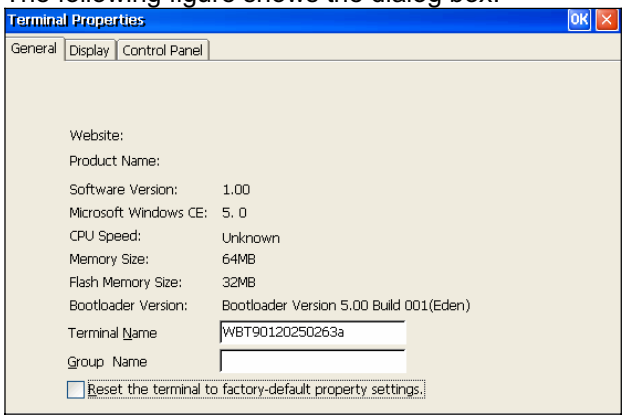


6 Terminal Properties

Terminal properties can be reset at any time during the normal terminal operation. In any connection you can just press the hot-keys "**Ctrl+Alt+End**" to return to **Terminal Connection Manager** dialog box. By pressing the **[F2]** key to invoke the **Terminal Properties** dialog box.

6.1 General Tab

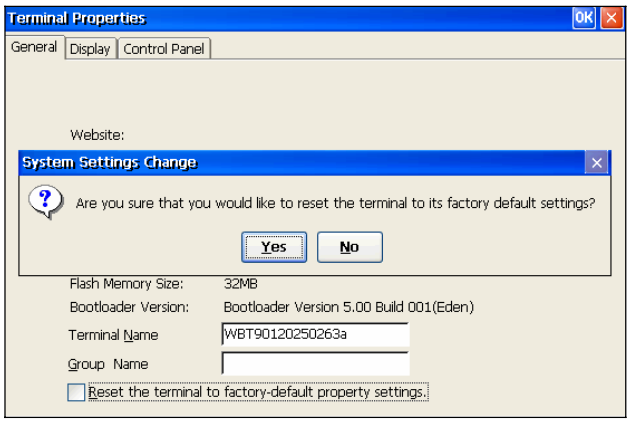
The following figure shows the dialog box.



In this dialog box it describes all the general information about this WBT. The information may vary from that shown in above figure.

6.1.1 Reset the terminal to factory default property settings

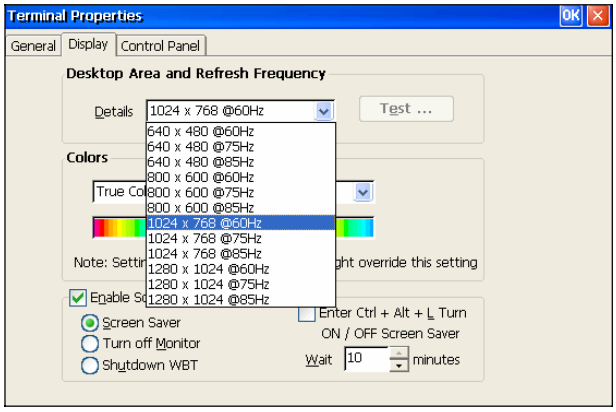
Tick the "**Reset the terminal to factory default property settings**" and click on "**OK**", this WBT will ask for rebooting this system to take effect the setting change.



6.2 Display Configuration

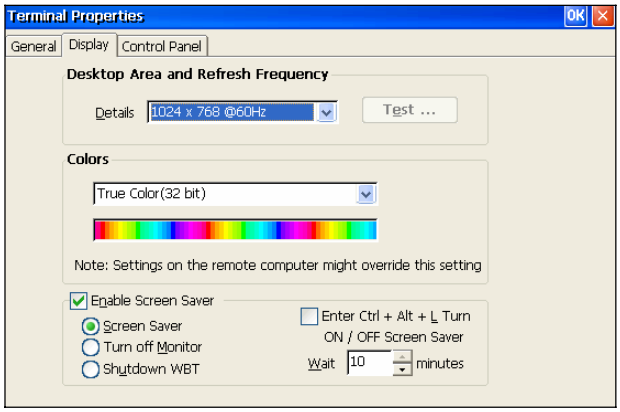
The **Display** properties sheet lets you configure the terminal's display screen. Invoke this properties sheet by clicking on the **Display** tab in the **Terminal Properties** dialog box. The following figure shows the properties sheet.You can also **Test** your display after selecting one Refresh Frequency, the new testing mode will appear. The graphics adapter will be set to the new mode temporarily for about 5 seconds so you can determine whether your display works properly.

Display Properties Sheet



6.2.1 Enable Screen Saver

Tick the “Enable Screen Saver” and you can configure your desired way to enable the screen saver for this WBT. There are three options to choose: Screen Saver, Turn Off Monitor and Turn Off WBT. You can leave this WBT to activate the function automatically according to the time you set. Or you can tick “Enable Ctrl + Alt + L Turn ON/OFF screen saver” to manually activate/deactivate any one of the left three energy savers you tick by pressing the hot-keys of “Ctrl+Alt+L”.
There is still one hidden option of “Enable Property Password” to gain more security protection. To have this option available you have to click “Control Panel” tab and double click on Security tab. Please refer to the description mentioned earlier in section **6.5.11**.



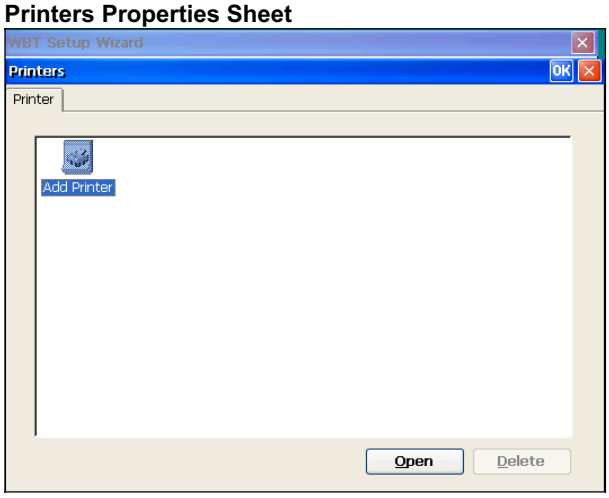
6.3 Control Panel Tab

The **Control Panel** properties sheet lets you configure your terminal's function.
In this dialog box it describes all the information of the terminal function about this WBT.

6.3.1 Printers Properties

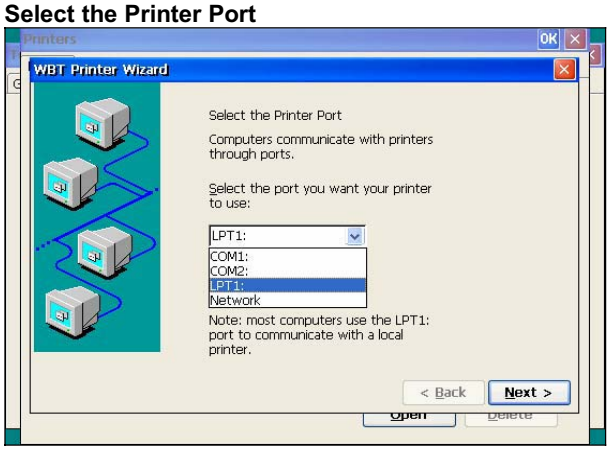
The **Printers** properties sheet lets you setup this terminal's **Local Print**.

Printers Properties Sheet

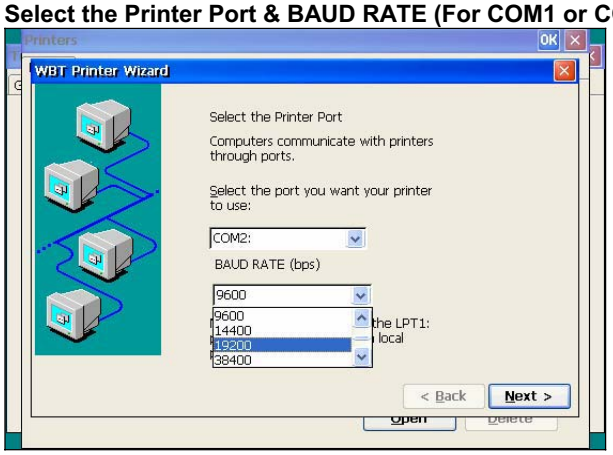


Select one of the ports, LPT1, COM1 or COM2 that you want to use to communicate with your local printer. Or you can select Network to set a network printer. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.

Select the Printer Port

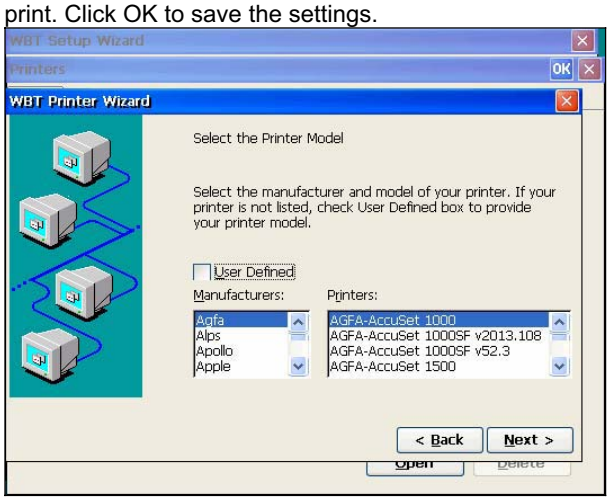


Select the Printer Port & BAUD RATE (For COM1 or COM2)

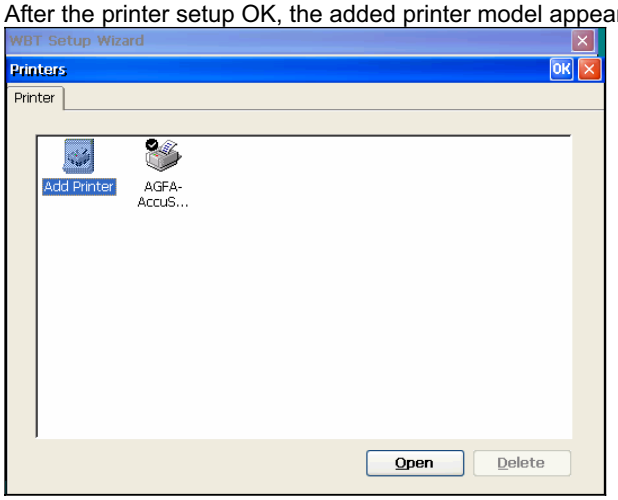


6.3.1.1 Select the Printer Model

Select the manufacturer and model of your printer. If your printer name is not listed, check with your printer document and select one that is closer. If you want this local printer as your terminal's default print, then check the box Make this the default print. Click OK to save the settings.



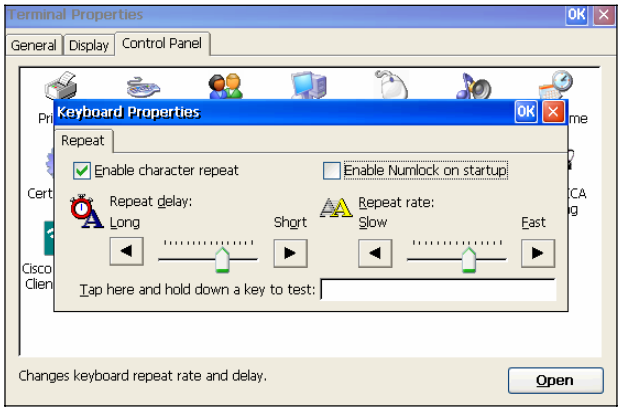
The detail has been described in section **3.2.4** to **3.2.6.2**.
After the printer setup OK, the added printer model appears in the list of the printer.



6.3.2 Keyboard Input

The **Keyboard** properties sheet lets you configure your terminal's keyboard. Invoke this properties sheet by clicking on the **Keyboard** icon. The following figure shows the properties sheet.

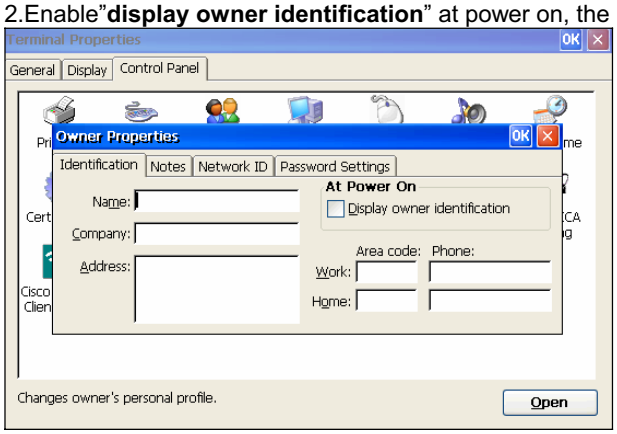
Keyboard Properties Sheet



6.3.3 Owner Properties

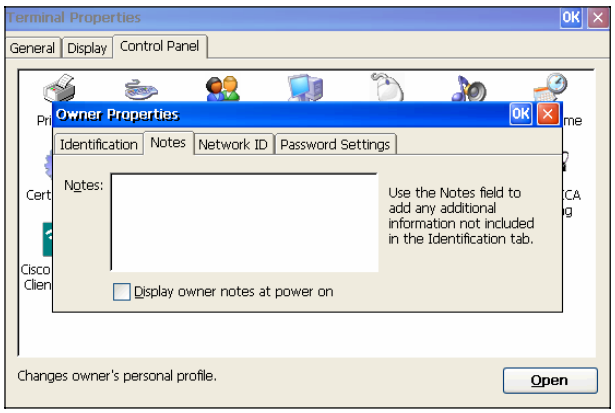
6.3.3.1 Identification

1.To protect users rights, User could key in their identification data before entering connection manager.
2.Enable"**display owner identification**" at power on, the information will show whenever the machine is on.



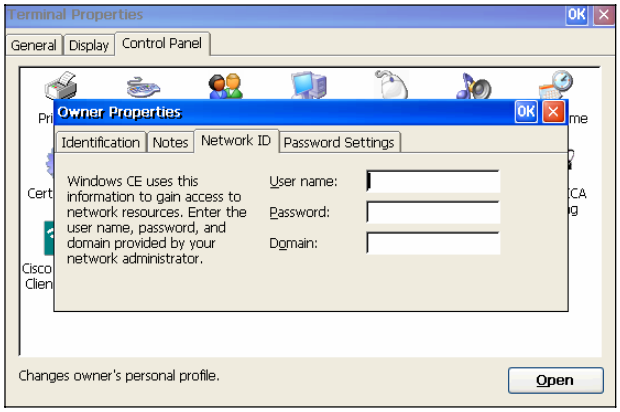
6.3.3.2 Notes

User could key in any sentences or words in the column.
It will show up if you enable "**Display owner notes at power on**".



6.3.3.3 Network ID

Enter User name and Password when access to the Network.



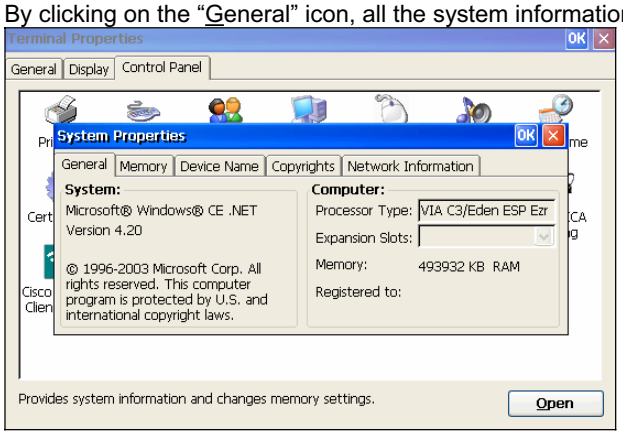
6.3.3.4 Password Setting

User should key in Password when activating " power on" and " screen saver " functions.

6.3.4 System Properties

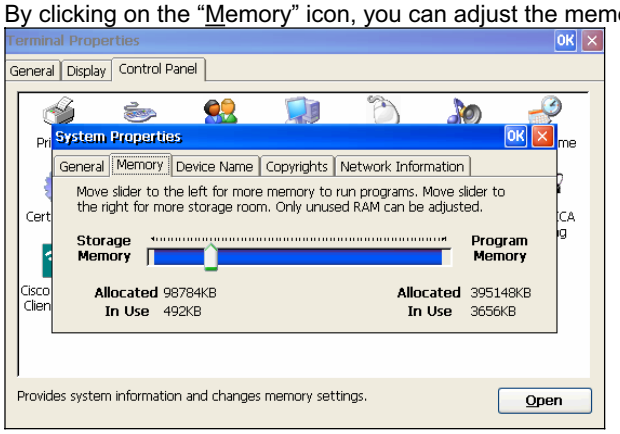
6.3.4.1General

By clicking on the "General" icon, all the system information will be displayed.



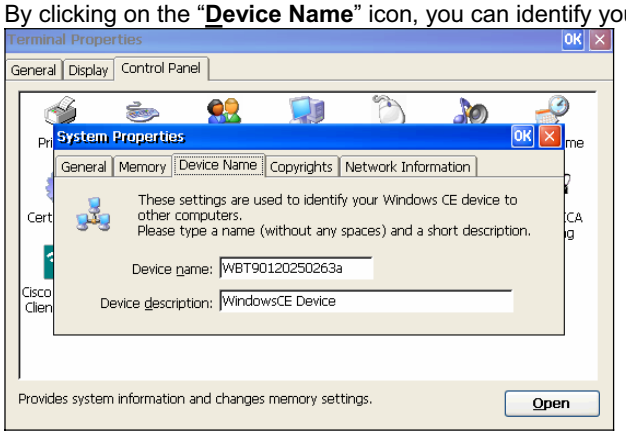
6.3.4.2 Memory

By clicking on the “Memory” icon, you can adjust the memory, as you want to run the programs.



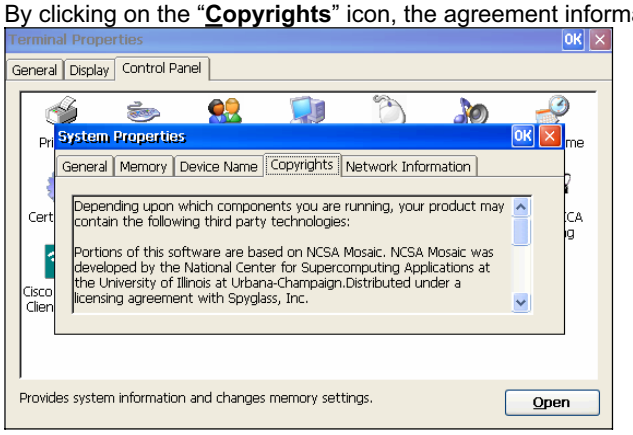
6.3.4.3 Device Sheet

By clicking on the “**Device Name**” icon, you can identify your Windows CE device to other computers.



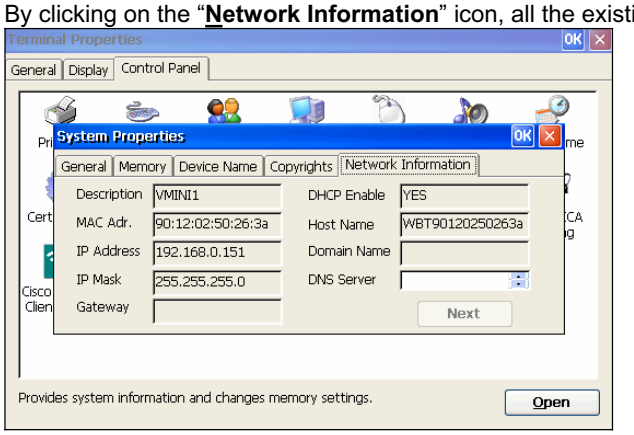
6.3.4.4 Copyrights Sheet

By clicking on the “**Copyrights**” icon, the agreement information will be displayed.


Terminal Properties
General
Display
Control Panel
System Properties
General
Memory
Device Name
Copyrights
Network Information
Depending upon which components you are running, your product may contain the following third party technologies:
Portions of this software are based on NCSA Mosaic. NCSA Mosaic was developed by the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign.Distributed under a licensing agreement with Spyglass, Inc.
Provides system information and changes memory settings.
Open

6.3.4.5 Network Information

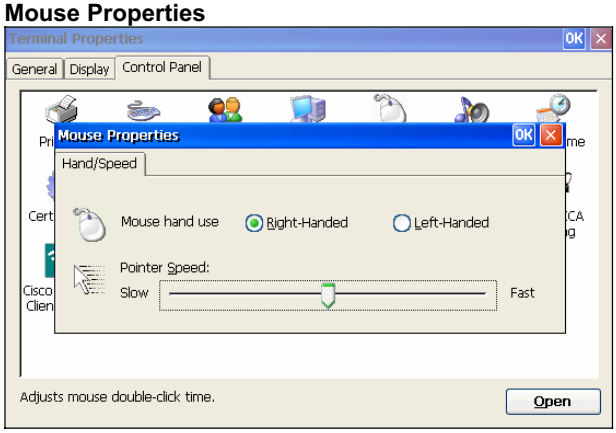
By clicking on the "**Network Information**" icon, all the existing network information will be displayed.



6.3.5 Mouse Properties

Click **Mouse Properties** if you want to configure your mouse setting to Right-Handed or Left-Handed, and the Pointer Speed.

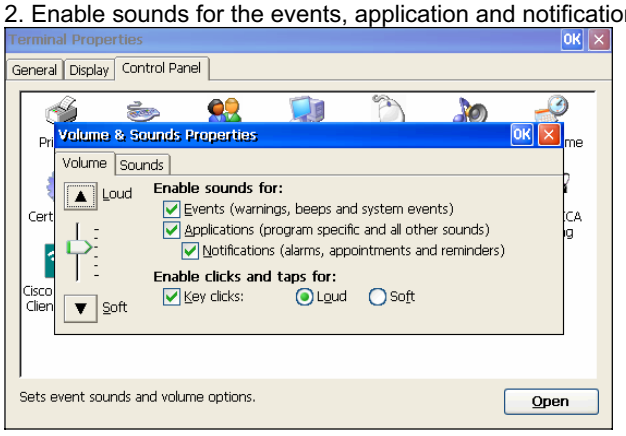
Mouse Properties



6.3.6 Volume & Sound Properties

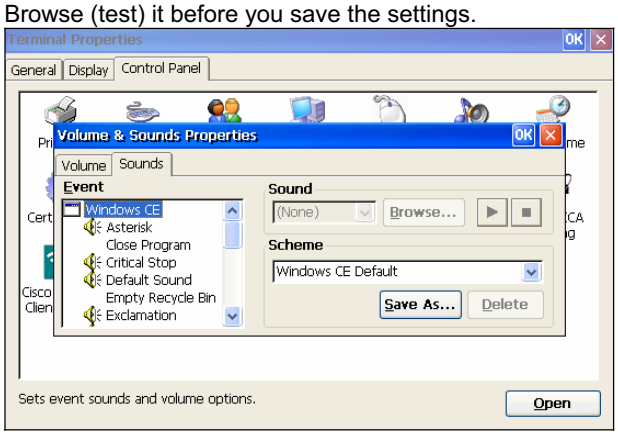
6.3.6.1 Volume

1. Adjust the Volume of the sounds of the client machine.
2. Enable sounds for the events, application and notifications.

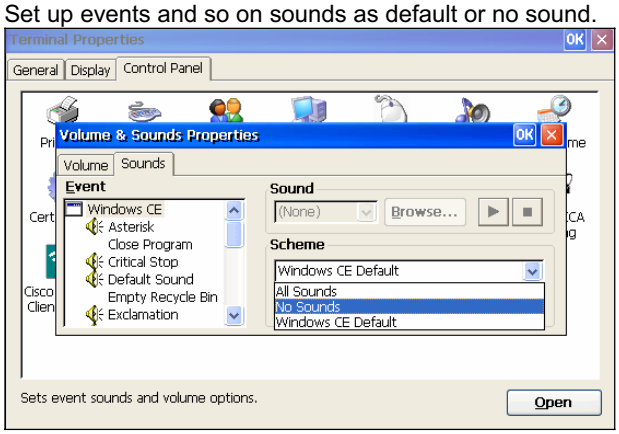


6.3.6.2 Sound

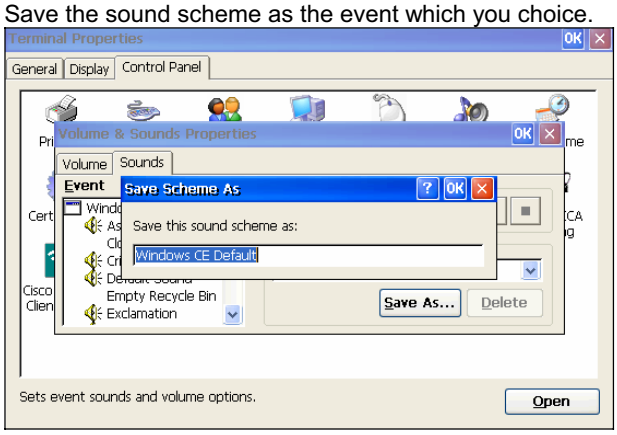
The sounds of events, application and notifications could be set up as default sound or there are several choices. Browse (test) it before you save the settings.



Set up events and so on sounds as default or no sound.

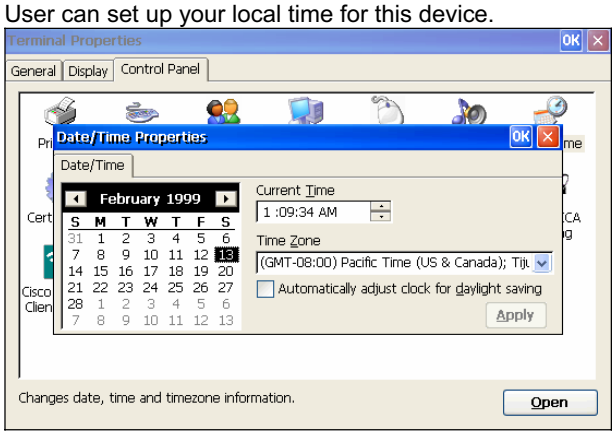


Save the sound scheme as the event which you choice.



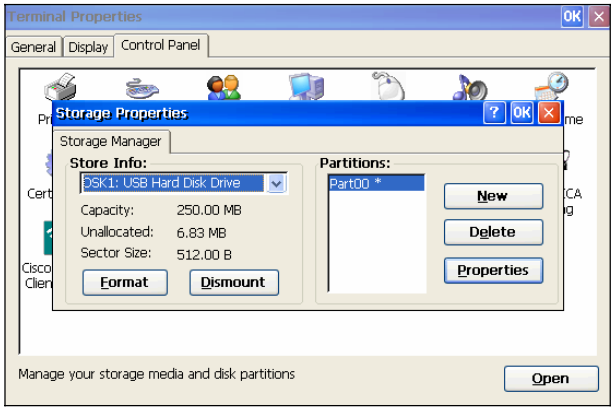
6.3.7 Date/Time Properties

User can set up your local time for this device.



6.3.8 Storage Manager Properties

If the machine is connected with any floppy or Hard drivers, it will show the storage information.
User can also format or do the partitions to this local storage device.



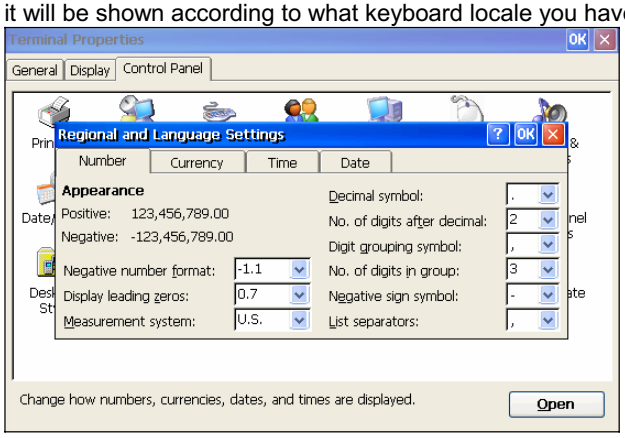
6.3.9 Regional and Language Setting

6.3.9.1 Regional setting

Set up the keyboard locale for the local device.

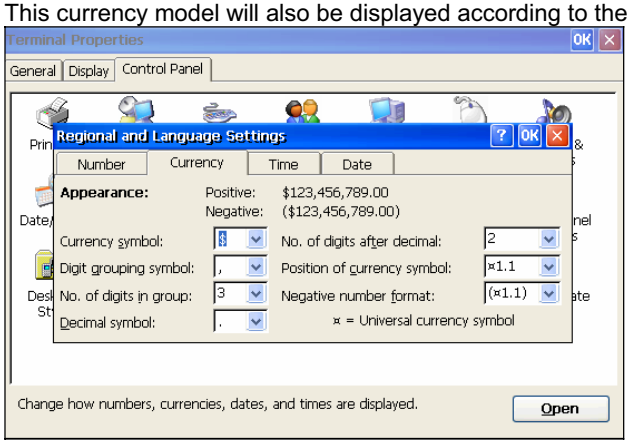
6.3.9.2 Number

Press the **Customize** the **Number**; **Currency**, **Time** and **Date** pages will appear.
There are different types to display the numbers in the settings, however,
it will be shown according to what keyboard locale you have set up.



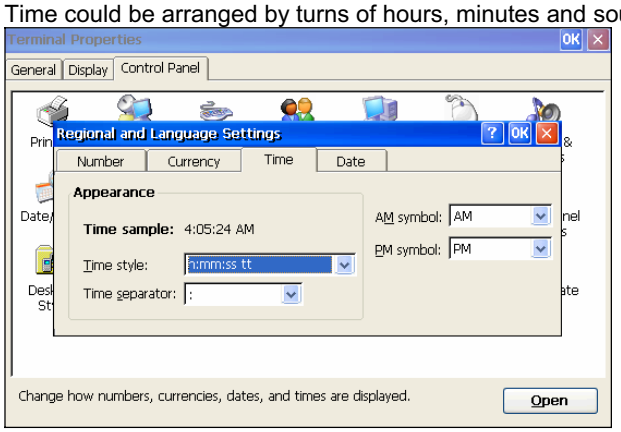
6.3.9.3 Currency

This currency model will also be displayed according to the locale you have set up.



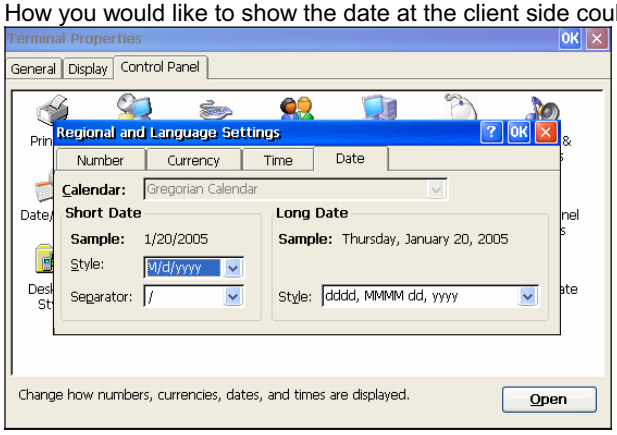
6.3.9.4 Time

Time could be arranged by turns of hours, minutes and sounds.



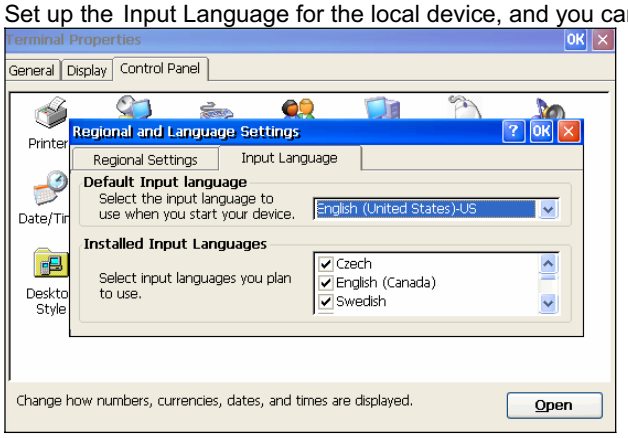
6.3.9.5 Date

How you would like to show the date at the client side could be arranged here.



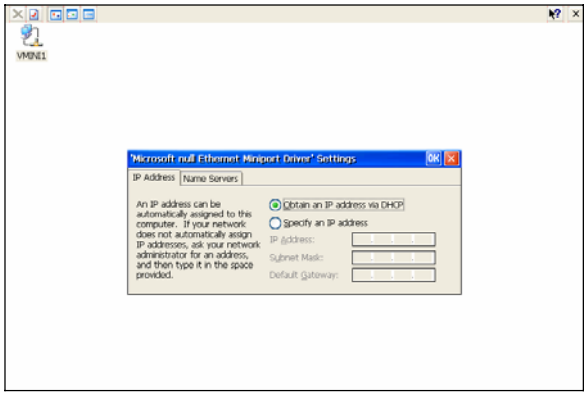
6.3.9.6 Input Language

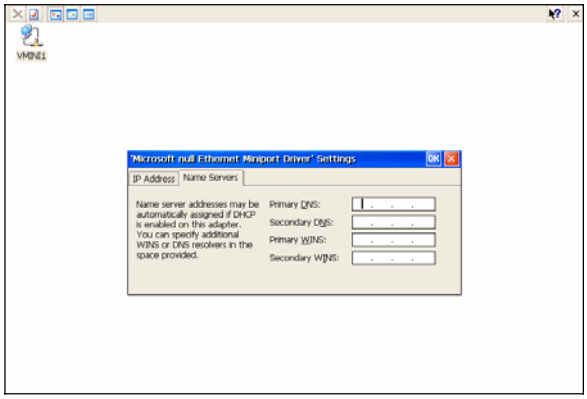
Set up the Input Language for the local device, and you can also select the input language you plan to use.



6.3.10 Network Status Properties

The **Network** properties sheet lets you set up a method for SNMP upgrades. Invoke this properties sheet by clicking on the **Network** tab in the **Terminal Properties** dialog box. The following figure shows the **Network** properties sheet. If you have a DHCP server, then click on Obtain an IP address from a DHCP server to automatically get an IP address. Or you may specify an IP address by yourself. You can also type a **Name** for the **Terminal**. Refer to page 11 Network Configure. The Terminal Group box is for the centralized remote management software to control WBTs by group name when doing grouping.

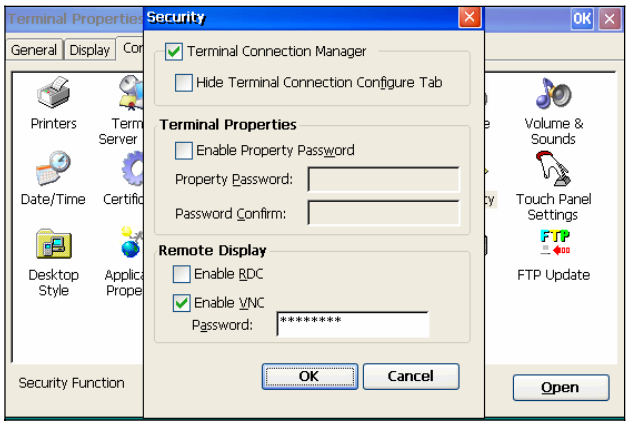

VMINI1
'Microsoft null Ethernet Miniport Driver' Settings
IP Address
Name Servers
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.
Obtain an IP address via DHCP
Specify an IP address
IP Address:
Subnet Mask:
Default Gateway:


VMINI1
'Microsoft null Ethernet Miniport Driver' Settings
IP Address
Name Servers
Name server addresses may be automatically assigned if DHCP is enabled on this adapter. You can specify additional WINS or DNS resolvers in the space provided.
Primary DNS:
Secondary DNS:
Primary WINS:
Secondary WINS:

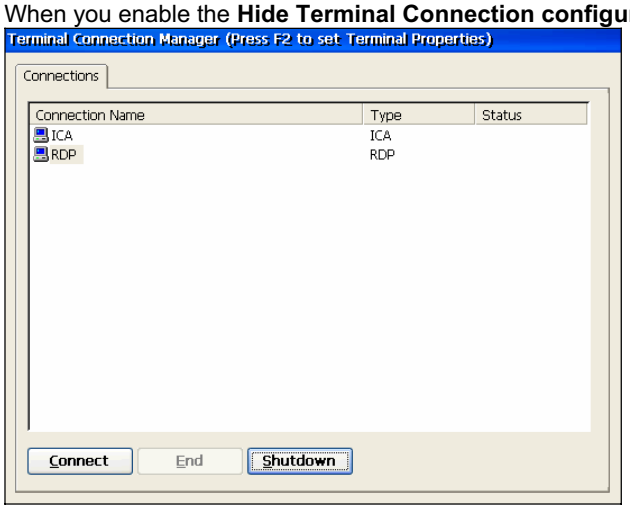
6.3.11 Security Properties

Use the **Security** properties sheet to access security features if you want. Click to enable terminal security, and deactivate the **Terminal Connection Manager** function and the **Hide Terminal Connection Configure Tab** function. By default the Terminal Connection Manager function is enabled but the Hide Terminal Connection Configure Tab function is disabled.

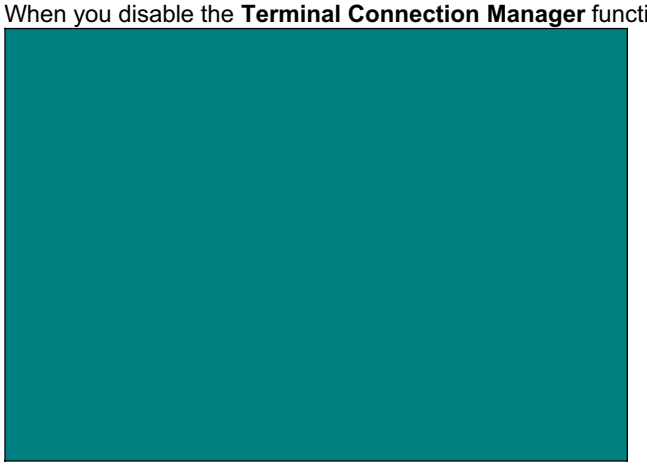
Enable "**Enable Property Password**" then type the new password that you wish to change on the "**New Password**" column, and then re-type it again on the "**Confirm Password**" column. Both password column must be identical.
Click OK then the WBT will ask for rebooting to save the setting change. After rebooting, before entering the Connection Manager dialog box, this WBT will ask for user name and password that you just typed in. Then go back to this General tab of Terminal Properties dialog, now the "Enable Property Password " option shall show up. Tick it up, then whenever the energy saver is activated and you want to deactivate it to enter the system, this password protection function will show up.
Enable "**Enable RDC**", the WBT could be in the control of RM tool.
Enable "**Enable VNC**", the WBT could be in the control of VNC viewer, and the default password is "**password**".



When you enable the **Hide Terminal Connection configure Tab** function .Your Connection configure Tab will be hided.

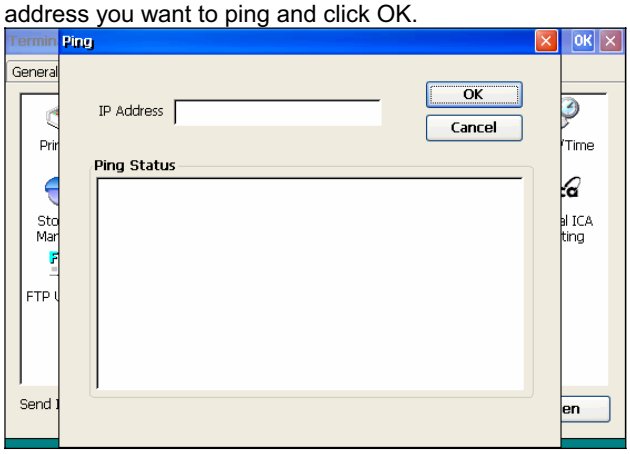


When you disable the **Terminal Connection Manager** function .Your Connection Manager will be hided.



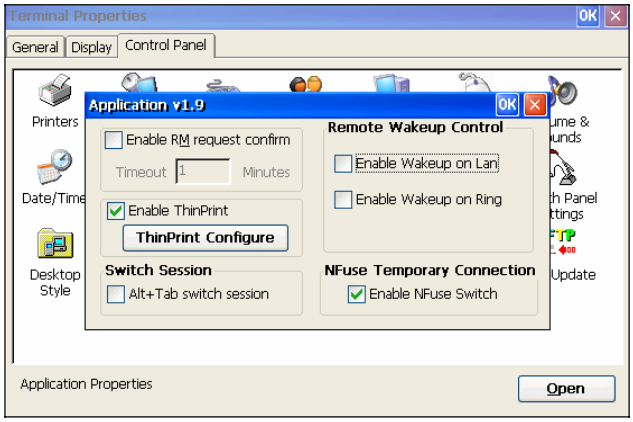
6.3.12 Ping Properties

The **Ping Test Settings** sheet lets you ping the IP address to make sure it's on the network. Invoke this setting by clicking on the **Ping** icon of **Terminal Properties** dialog box. The following figure shows the Ping function tag, just type in the IP address you want to ping and click OK.



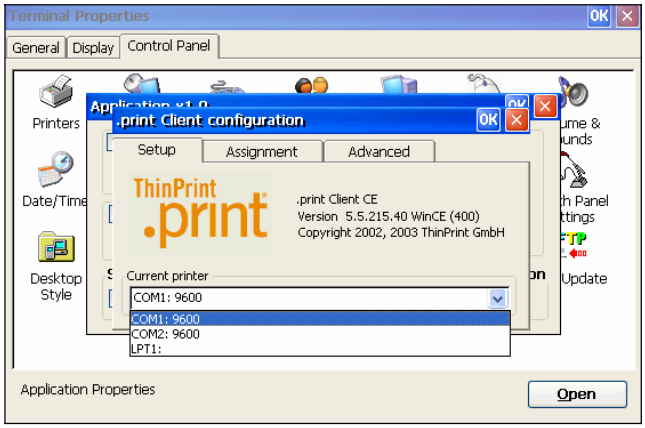
6.3.13 Application Properties

Invoke the **Application** Properties sheet by clicking on the **Apps** tab in the **Terminal Properties** dialog box. The following figure shows this sheet. The functions of the **Application** Properties include, Remote Wake-up Control and NFuse Temporary Connection.



6.3.13.1 ThinPrint

In this **Apps** tab you can tick "**Enable ThinPrint**" to use ThinPrint function in RDP or ICA.



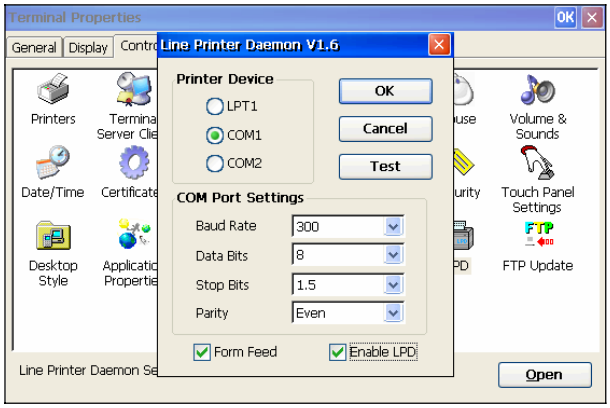
6.3.14 Line Printer Daemon Setup

This WBT with WIN CE.NET offers another way of through LPD protocol to send the print job.
LPD is a built-in printing protocol in the BSD type of UNIX. However, it is also available in most UNIX system.
With LPD, users can using UNIX machine for printing purpose or any machine which supports LPD protocol.

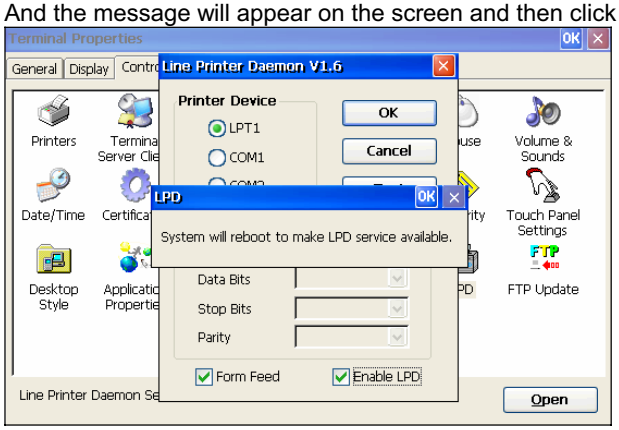
6.3.14.1 Setup for LPD

If you plan to use LPD to print your jobs, you need to go through the Setup for LPD procedures as below figure.
1. Double click "**LPD**" in Control Panel tap.
In the below page, user can select one of the ports, LPT1, COM1 or COM2 port
to be the default printer port. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.

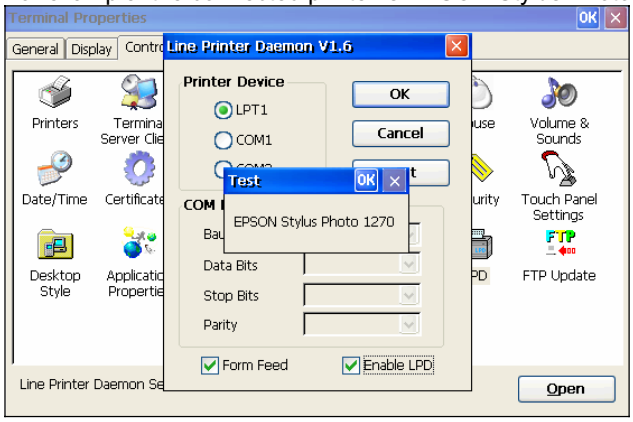
2.Please enable "**Enable LPD**" so the WBT could activate the LPD function.
Click "**OK**" button to save the setting. or User can click "**Test**" button to perform test procedure.



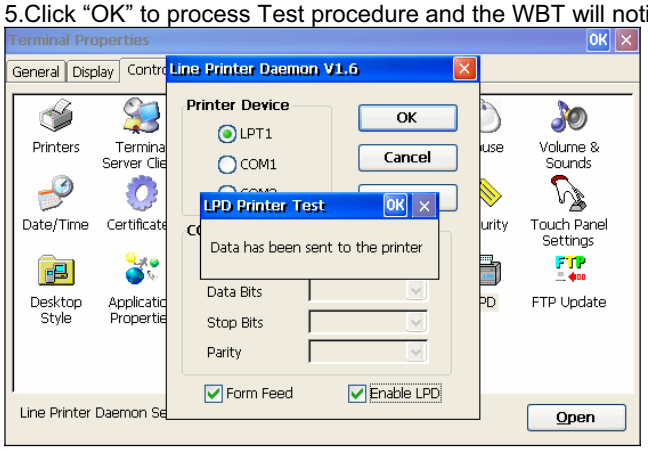
3.After completing the saving procedure,
The WBT will automatic reboot to make the LPD service available.
And the message will appear on the screen and then click OK.



4.Or, user can press **"Test"** button to check if the printer has connected completely as user setting.
If connected completely the printer type name will appear on the screen.
For example: the connected printer is EPSON Stylus Photo 1270.



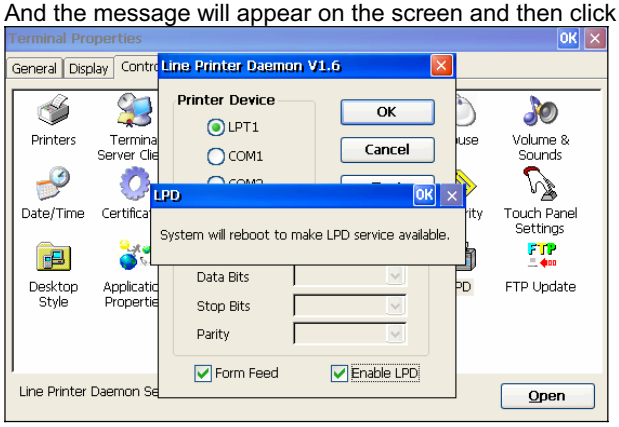
5.Click “OK” to process Test procedure and the WBT will notify user that “the test data has been sent to the printer”.



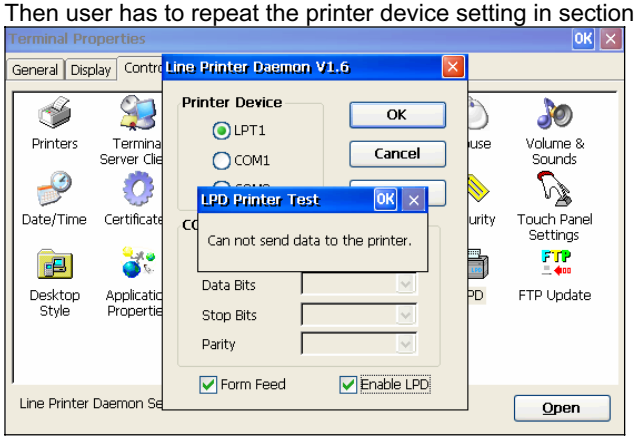
6.Checking the printer then user can find the default characters printed as below.

```
LPD for CE .NET 4.0 version 1.0
============================================================
EPSON Stylus Photo 1270(shows the printer model name as user setup)
The quick brown fox jump over the lazy dog.
```

7.After the Test procedure completely, please click “**OK**” to save the settings.
The WBT will automatic reboot to make the LPD service available.
And the message will appear on the screen and then click OK.



8.If the test is fail, the WBT will notify user to check the printer device.
Then user has to repeat the printer device setting in section 6.5.14.1



6.3.14.2 Add a remote printer

To add a remote printer, insert a block similar to the following in the /etc/printcap file.
For Example: Use the SCO UNIX x86

```
MyPrinter:\
:lp=:\
:rm=:MyPrinter:\
:rp=:MyPrinter:\:
sd=/usr/spool/lpd/MyPrinter:\
:mx#0:
```

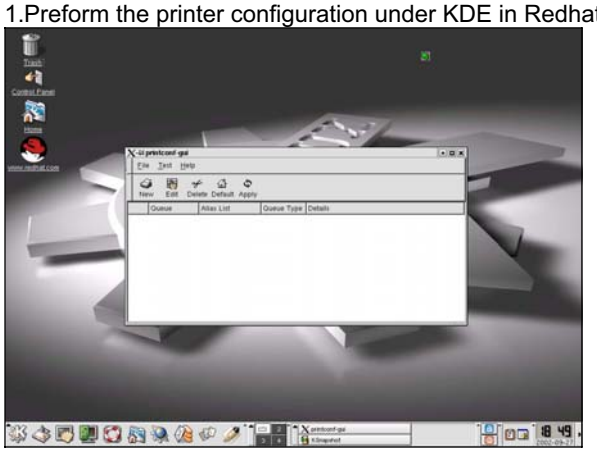
Note: MyPrinter maybe define in director as below

```
/etc/hosts
192.168.0.95      MyPrinter.      MyPrinter.DOMAIN.com
```

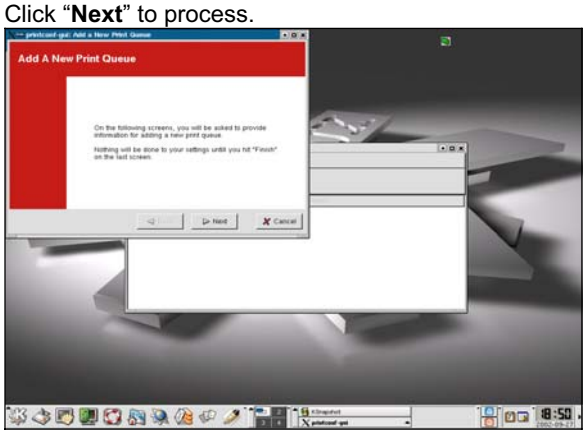
e.g. If it works on a BSD UNIX host and makes the directory /usr/ spool/ETPS1 available, then follow these three procedures:

chown daemon /usr/spool/MyPrinter
chmod 775 /usr/spool/MyPrinter
chgrp daemon /usr/spool/MyPrinter

For Example:
User can setup a printer name and execute a printing instruction using configure tool under the X-Window as below figures.
1.Preform the printer configuration under KDE in Redhat 7.3 O.S. Then click "**New**" button.

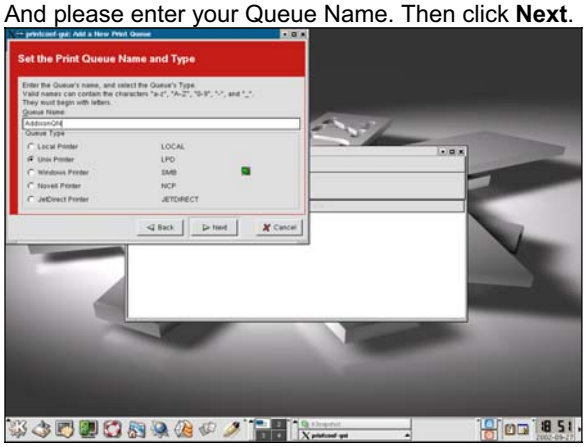


2.On the following screen user will be ask to provide information for adding a new Printer Queue.
Click "**Next**" to process.

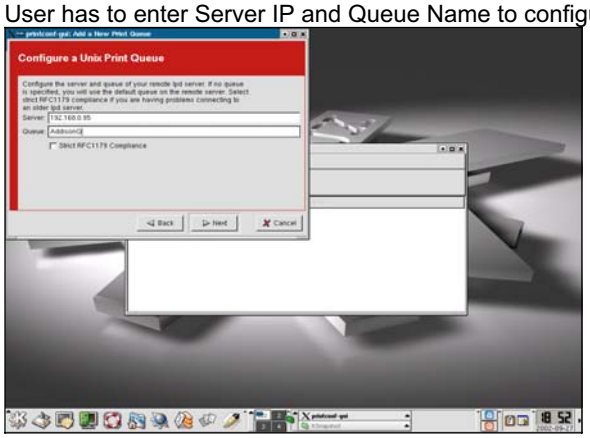


3.In this "Set the Printer Queue Name and Type" page.

Please select the “**Unix Printer**” which supports LPD service.
And please enter your Queue Name. Then click **Next**.

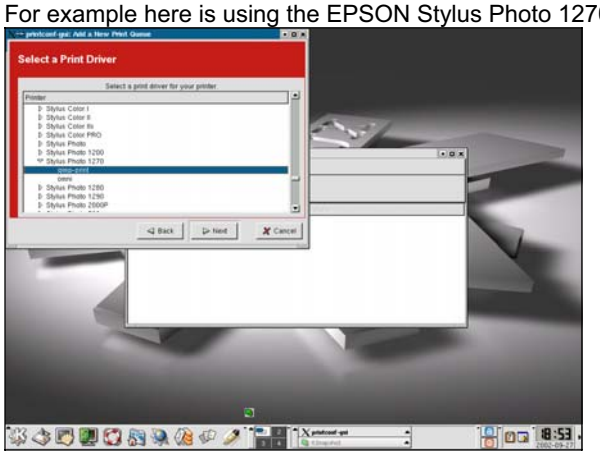


4.the “Configure a Unix Print Queue” page will appears.
User has to enter Server IP and Queue Name to configure which Server and Queue will be user’s remote LPD server.

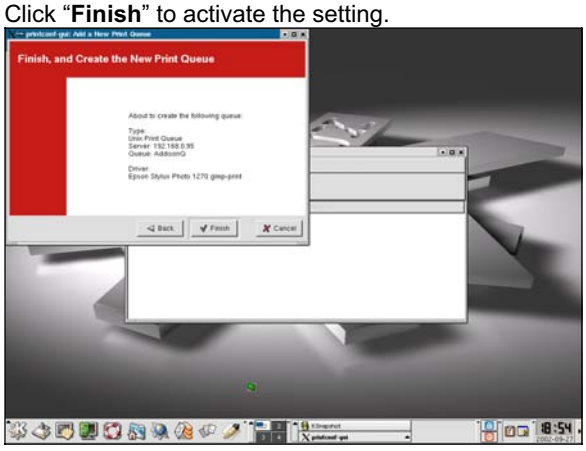


Note: Here the Server IP had defined to be the WBT IP.
User has to enter user’s WBT IP in the “**Server**” column.

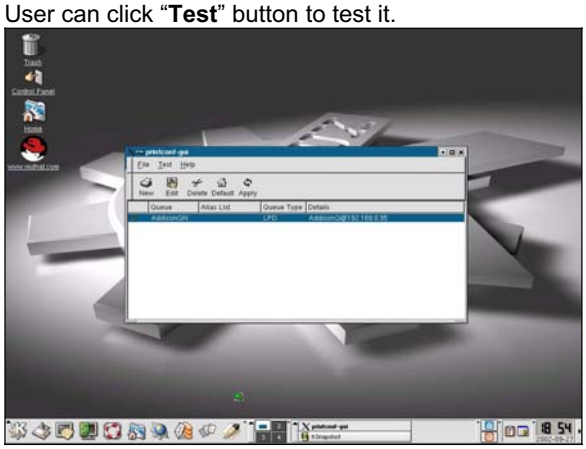
5.Please select a printer driver for user’s printer. Then click “**Next**”.
For example here is using the EPSON Stylus Photo 1270 printer.



6.After complete the setting, the detail of the Queue which user created will be list.
Click “**Finish**” to activate the setting.



7.The new Printer Queue will appear on the printer configure icon.
User can click “**Test**” button to test it.



6.3.14.3 LPD Printing

Before you use LPD for printing, your Server needs to be installed completely with Setup for LPD in 3 setup for LPD. LPD protocol is built-in to most of the UNIX system. However, detailed implementation of LPD differs among UNIX system. Please refer to your UNIX administration guide for reference. The following illustrated printing command is under BSD system or System V version.

For BSD system: lpr -P <printer_name><filename>
For System V version: lp -d <printer_name><filename>

This command is to print selected file to the selected printer.

e.g. lpr -MyPrinter /etc/hosts (BSD version) or lp –d MyPrinter /etc/hosts (System V version)
This example is to print the /etc/hosts file to the Terminal printer.

6.3.15 Global ICA Client Settings

This section describes how to change settings that apply for all connection entries on this WBT. It also describes how to change the default settings that are used when creating new ICA connection entries. You may want to do this if you always prefer to use a particular setting; for example, a sound quality that is different from the initial setting or a larger default window size.

The **Global ICA Client Settings** dialog box contains the following tabs:

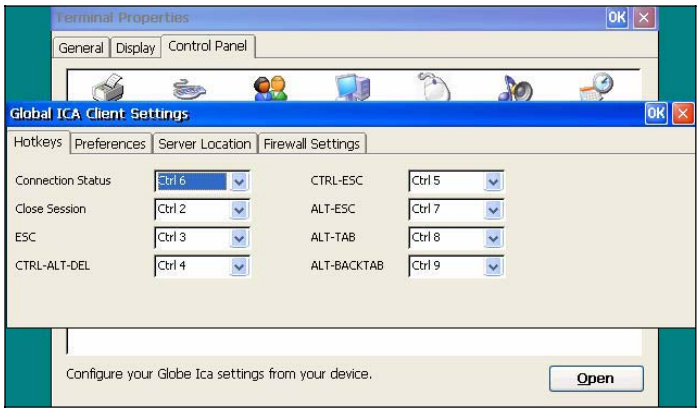
a. The **Default Hotkeys** tab, where you can define custom key combinations for system hotkeys. See “Configuring Hotkeys” for more information.

b. The **Preferences** tab, where you can control the default window and settings used for new ICA connection entries. See “Configuring Global Preferences” for more information.

c. The **Server Location** tab, where you can configure network protocol and server location options. See “Configuring Network Protocol and Server Location” later in this section.

d. The **Firewall Settings** tab, where you can configure the client to use a SOCKS proxy, alternate address re-mapping and SSL Relay address. See “Configuring Firewall Settings” for more information about using the ICA Client with a Firewall.

e. The **PNLite Settings** tab, where you can configure the client to switch from Remote Access Manager mode to PNLite mode. In PNLite mode, a list of available published applications on the network is published to the ICA client. This means the user need not configure each connection entry manually. For more information about PNLite, see PNLite Mode.



6.3.15.1 Configuring Hotkeys

This WBT provides users with hotkeys that can be used during ICA sessions to control various functions. Some hotkeys control the behavior of the ICA Windows-based Terminal Client itself while others emulate standard Windows hotkeys. When you want to use a Microsoft Windows key combination during a session, use the mapped hotkey instead. The following table lists the default ICA Windows-based Terminal Client hotkeys.

Default ICA WBT Client Hotkeys

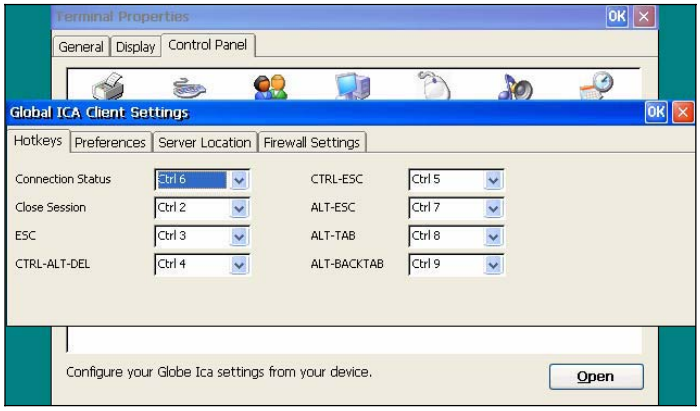
Name	Default Value	Description
Connection Status	CTRL+6	Displays ICA Client connection status.
Close Session	CTRL+2	Disconnects the ICA Windows-based Terminal Client from the Citrix server and closes the client window on the local desktop. Using this hotkey leaves the ICA session running in a disconnected state on the Citrix server. If you do not want to leave your session running in a disconnected state, log off instead.
Esc	CTRL+3	Alternately hides and displays the ICA session window .
CTRL-ALT-DEL	CTRL+4	Displays the **Windows NT Security** dialog box on the Citrix server.
CTRL-ESC	CTRL+5	On MetaFrame servers, the Windows **Start** menu is displayed. On *WINFRAME* servers, this hotkey displays the **Task List**.
ALT-ESC	CTRL+7	This hotkey cycles the focus through the minimized icons and open windows of applications run in your ICA session.
ALT-TAB	CTRL+8	This hotkey cycles through all applications in the ICA session. A pop-up box appears and displays the programs as you cycle through them. The selected application receives keyboard and mouse focus.
ALT-BACKTAB	CTRL+9	Like the ALT+TAB hotkey, this key sequence cycles through applications that have been opened in the ICA session, but in the opposite direction. The chosen application receives keyboard and mouse focus.

To Change the Default Hotkeys

a. Click on the icon of **Global ICA Client Settings** and the dialog box will appear as below.

b. On the **Hotkeys** page, use the lists of keys to customize the default hotkey key sequences.

c. Click **OK** to save your changes.



d. Make the desired changes.

e. Click **OK** to save your changes.

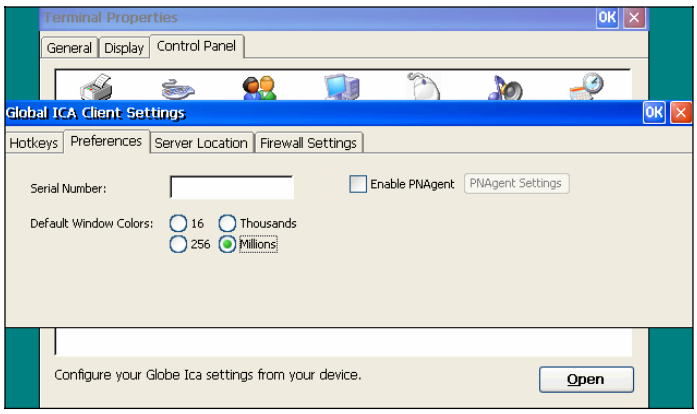
6.3.15.2 Configuring Global Preferences

The following settings are configured in the global **Preferences** tab:

- ✓ **Default Window Colors:** In the **Window Colors** box, select 16,256, Thousands or Millions colors by clicking the appropriate radio button. When using a low-bandwidth connection, 16-color mode may provide better performance. This WBT can support up to Millions colors that is superior to other WBTs in the market.
- ✓ **Serial Number**. This is the serial number of your ICA Client software. This number is only necessary when you are using the ICA Windows-based Terminal Client with a product such as *WINFRAME* Host/Terminal, which requires each ICA Client to have a Citrix PC Client Pack serial number. If a serial number is required, you must enter it exactly as it appears on the Serial Number card. The serial number is not used when connecting to MetaFrame servers.
- ✓ **Client Name**. This box allows you to set the name of your client device. Citrix servers use the client name to uniquely identify resources (such as mapped printers) associated with a given client device. The client name should be unique for each computer running a Citrix ICA Client. If you do not use unique client names, device mapping and application publishing may not operate correctly.

To Change the Default Global Preferences for All ICA Connection Entry

a. Click the **Preferences** tab.



b. Make the desired changes.

c. Click **OK** to save your changes.

6.3.15.3 Sever Location

This section explains how to:

a. Set the protocol the ICA clients uses

b. Control the way in which the ICA client locates Citrix servers

c. Configure a list of Citrix servers for Business Recovery

The network protocol settings allow you to control the way the ICA client searches for Citrix server and how it communicates with them. Server location (also called server browsing) provides a method for a user at a network-connected ICA Client to view a list of all Citrix servers on the network that have ICA connections configured, and a list of all published applications. The way in which server location works depends on which network protocol has been configured:

- ✓ TCP/IP – The client uses the UDP protocol to search for Citrix servers. The client communicates with the Citrix server using ICA protocol over TCP/IP. This is the default protocol.
- ✓ TCP/IP + HTTP – The client uses the HTTP protocol to locate Citrix servers. The client communicates with the Citrix server using ICA protocol over TCP/IP. Select this option when using the ICA Client over the Internet or via a firewall or proxy server.
- ✓ SSL + HTTPS – The client uses the HTTPS protocol to search for a list of Citrix servers. The client communicates with the Citrix server using ICA with SSL. SSL+HTTPS provides strong encryption of ICA traffic and Citrix server authentication. Select this option when using the ICA Client over the Internet or via a firewall or proxy server.

Note The TCP/IP+HTTP and SSL+HTTPS protocols can only be used with compatible Citrix servers. Check the Citrix server administrator's guide for further information.

Note When the CTP/IP or TCP/IP+HTTP protocols are selected, the ICA protocol can be encrypted using SecureICA.

Business recovery provides consistent connections to published applications in the event of a master ICA Browser server disruption. You can define up to three groups of Citrix servers to which you want to connect: a primary and two backups. Each group can contain from one to five servers.

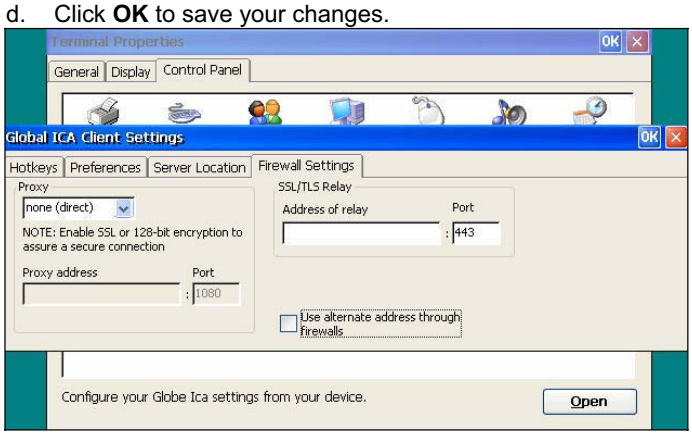
When you build a new ICA connection, the ICA client in this WBT will automatically search for any Citrix server on the network. The default setting is TCP browser but you can make desired change at this page. It depends on what kind of protocol of your Citrix server. If you can't find by this protocol, scroll through the list and try other protocols. This will change the default protocol setting of ICA client when searching for Citrix server location.

6.3.15.4 Firewall Settings

This is to configure a default SOCKS proxy server, if you would like to configure a SOCKS proxy server for a specific ICA connection entry, please refer to the description mentioned earlier in section 4.5.3.

To Configure a Default SOCKS Proxy Server

a. Tick **Connect via SOCKS proxy**.
b. In the **Address of proxy to use** box, enter the SOCKS proxy server's IP address.
c. In the **Port** box, enter the proxy server's port number (if different than 1080).
d. Click **OK** to save your changes.



Note If you configure a default SOCKS proxy server, you must specify at least one server in the **Server Location** tab for server and published application browsing to work.

Configuring Alternate Address Translation

If the ICA Client is outside a firewall that uses address re-mapping, you must configure the ICA Client to use the alternate address returned by the master ICA Browser. This is necessary even if you are not using a SOCKS proxy server.

Note You must also use the ALTADDR utility to manually set the alternate address for each Citrix server, See the Command Reference appendix of either the *MetaFrame Administrator's Guide* or the *WINFRAME System Guide* for more information.

Note If you set alternate address translation for all connection entries, it cannot be disabled for specific connection entries.

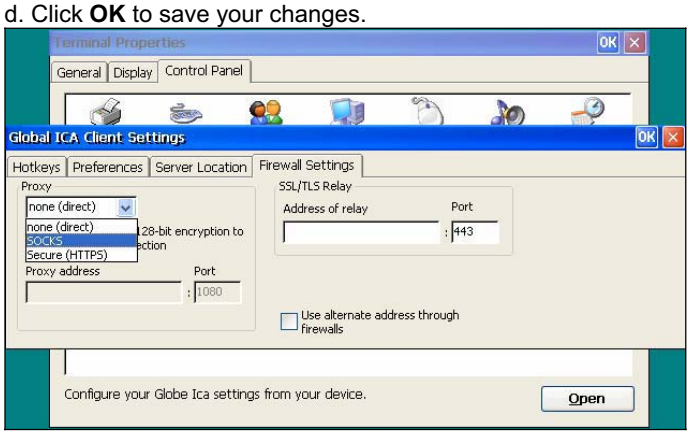
To Use Alternate Address Translation for All Connection Entries

a. Press **F2** to enter the **Terminal Properties** page, click **Apps** tab and then click **Global ICA Client Settings** icon.

b. Click the **Firewall Settings** tab.

c. Click **Use alternate address for firewall connection**.

d. Click **OK** to save your changes.



6.3.15.5 PNLite Settings

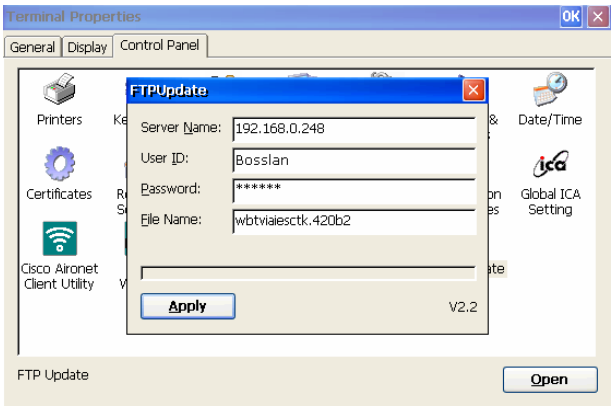
This **PNLite Settings** can configure the client to switch from Remote Access Manager mode to PNLite mode. In PNLite mode, a list of available published applications on the network is published to the ICA client. This means the user need not configure each connection entry manually. For more information about PNLite, see PNLite Mode.

6.3.16 FTP Update

Update Configuration

The Update Configuration sheet lets you update new firmware. Key in **Server Name, File Name**, **User ID** and **Password** which your new firmware loaded, select **Save Password**, then above data will be saved in the sheet.

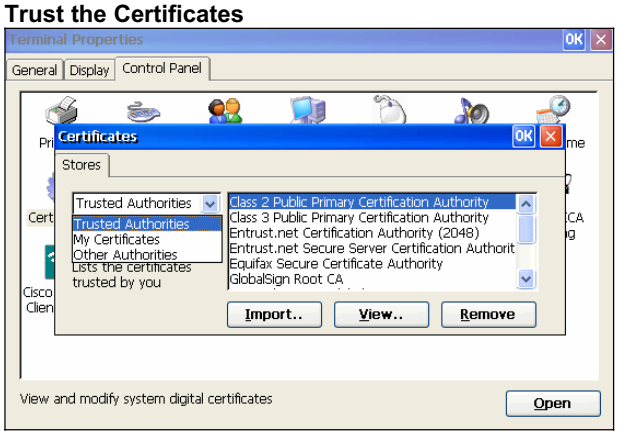
Click **Update Now** icon, the update Status will be show in the Status Window. This WBT has outstanding function that allows FTP updating the latest BIOS/bootloader. The procedure is the same with updating firmware showing as above. Make sure the file name is correct.



6.3.17 Certificates

A certificate is the basic component of Microsoft PKI. And the main purpose is to assure secret.
Users can be granted authorization to browse the web or to enter a sever by getting certificates.

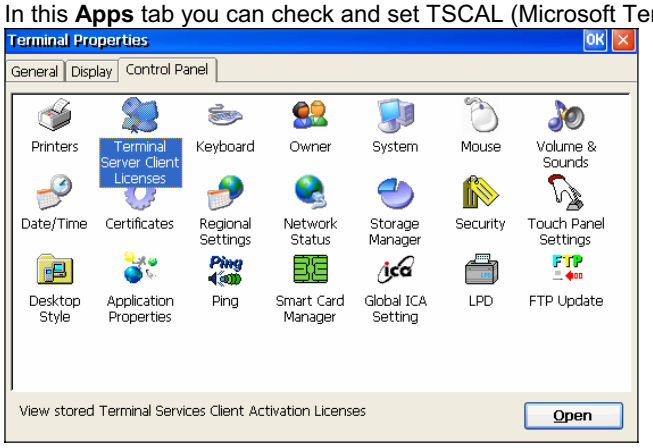
Trust the Certificates



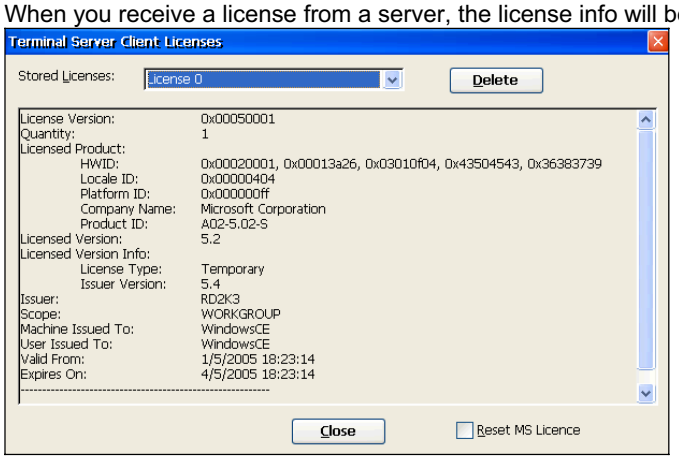
Certificates function offers user to import, view and remove certificates, which have be issued, control, renew and revoke by CA.

6.3.18 Terminal Service Client License

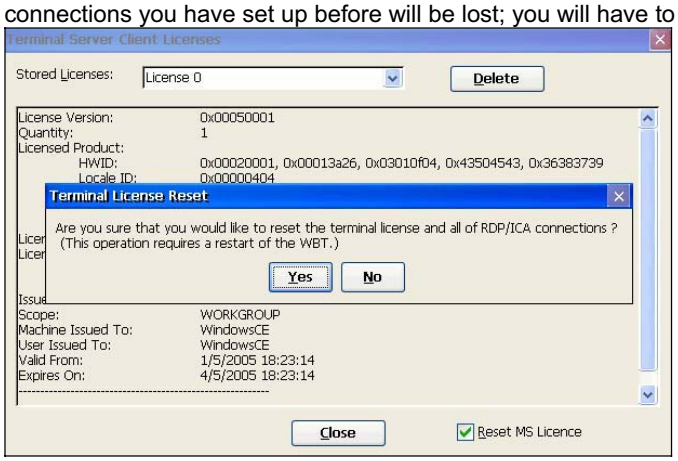
In this **Apps** tab you can check and set TSCAL (Microsoft Terminal Service Client Access License).



When you receive a license from a server, the license info will be appeared in this dialog.



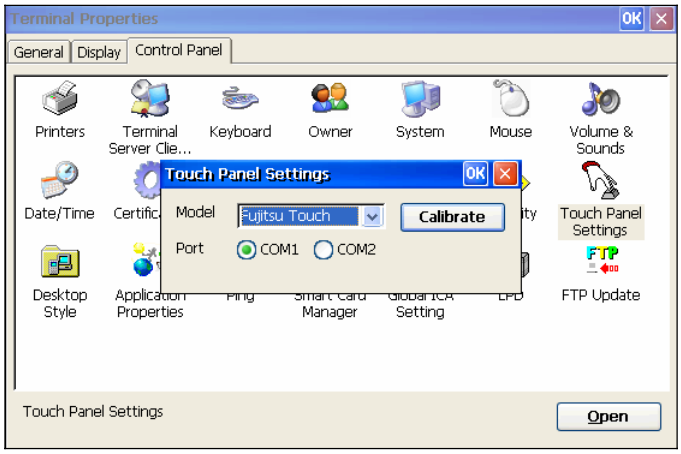
In this **Apps** tab you can tick “Reset MS License” whenever you have the problem gaining valid TSCAL(Microsoft Terminal Service Client Access License. The system will request a reboot to take effect the setting change. After reboot, all connections you have set up before will be lost; you will have to rebuild the connections.



6.3.19 Touch Panel Settings

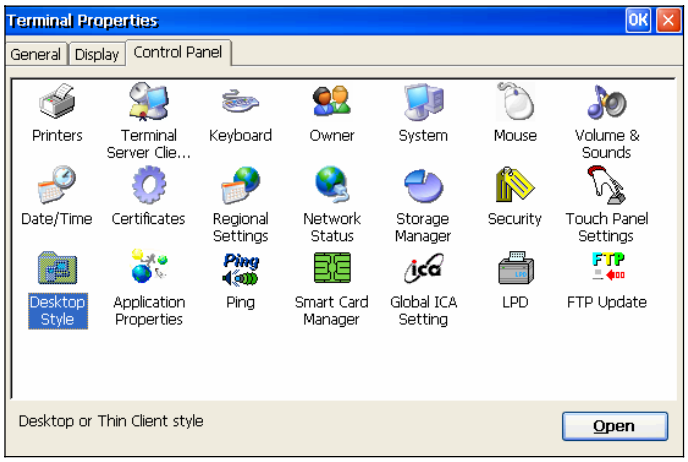
The user can use the touch panel that has been supported in the **Apps**.

Press **OK** to Enable touch panel, and press **Calibrate** to alignment.

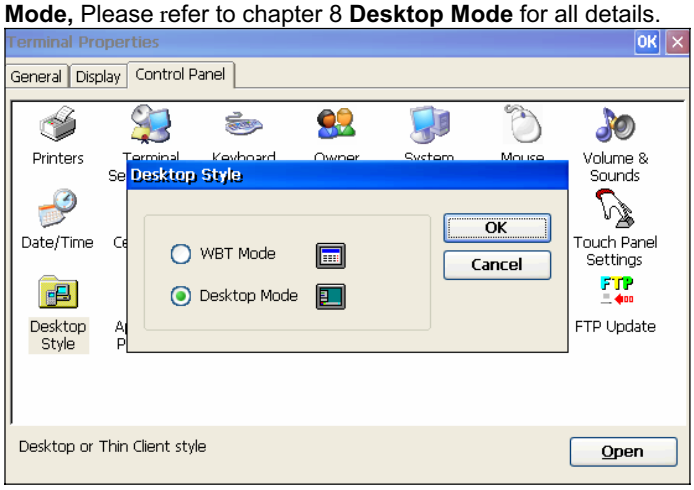


6.3.20 Desktop Style

Desktop Style is an **App,** which can switch Desktop Mode and WBT Mode to each other.



Enable the **Desktop Mode** and press **OK** to restart the thin client, and then the thin client will be appears with **Desktop Mode,** Please refer to chapter 8 **Desktop Mode** for all details.



7 Using ICA Local Printer

You can access printers attached to your client computer from an ICA session. When a Citrix server is configured to allow client printer mapping, applications running remotely on the Citrix server can print to local printers.

Note If your Windows-based terminal includes a list of printer drivers you can select the printer driver from the Printer tab of the Terminal Properties dialog box. When you print from an application, the associated driver is used on the Citrix server. You will need to install the driver on the Citrix server.

7.1 Mapping Client Printers on MetaFrame for Windows

Before users print out from MetaFrame for Windows, the administrator must enable printing. This section describes how to enable printing on the server.

7.1.1 To view mapped client printers when connected to a MetaFrame server

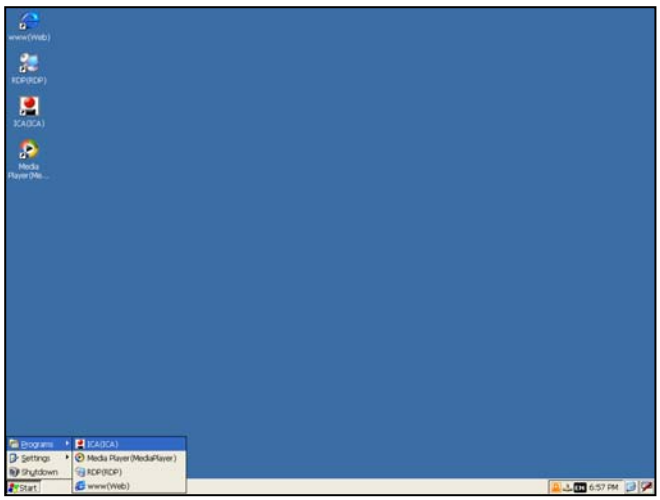
While connected to a MetaFrame server, double-click My Computer on the remote desktop and then double-click Printers. The Printers dialog box appears. The Printers dialog box displays the mapped local printers along with any other printers available on the MetaFrame server. The name of the printer is ***clientname#port***, where ***clientname*** is the name you have assigned to your ICA Client and ***port*** is the printer port on your Windows CE device, for example COM1 or LPT1.

7.1.2 To manually map a client printer on a MetaFrame server

a. Log on to the Citrix server.
b. On a MetaFrame server, click Start, Programs, MetaFrame Tools, and then ICA Client Printer Configuration.
c. On the Printer menu, click New to display the Add ICA Client Printer wizard. Follow the steps in the wizard to map the client printer.

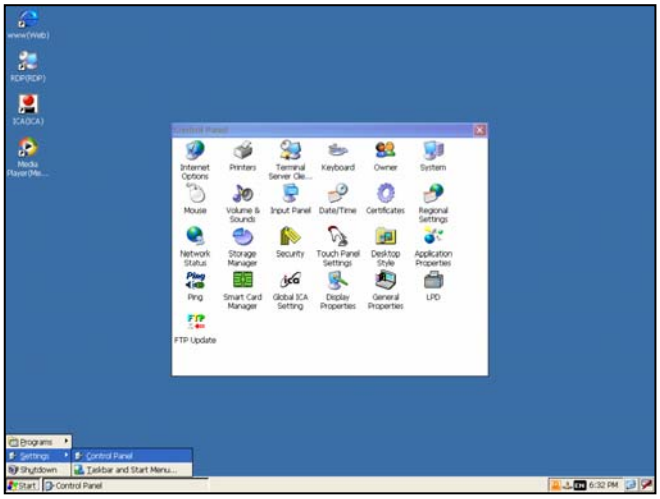
8. Desktop Mode

When you switch to the Desktop mode, you will see the figure as below. All connections that you have created in WBT mode will also appear in Desktop mode.



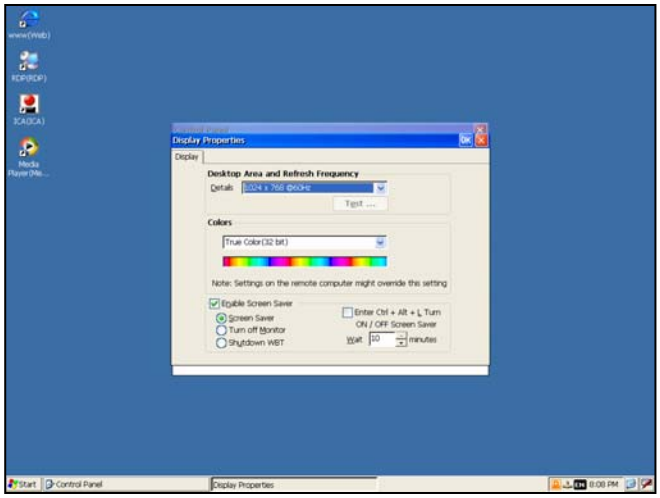
8.1 Control Panel

By clicking Start→Settings, and you will see the “Control Panel”. These functions are the same as WBT mode.



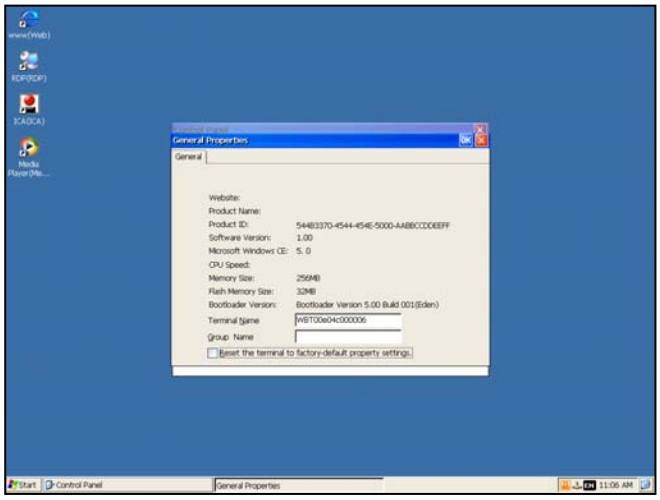
8.1.1 Display Properties

In the Control Panel, you can find the option “Display Properties”. You can click it to set your resolution and screen saver.



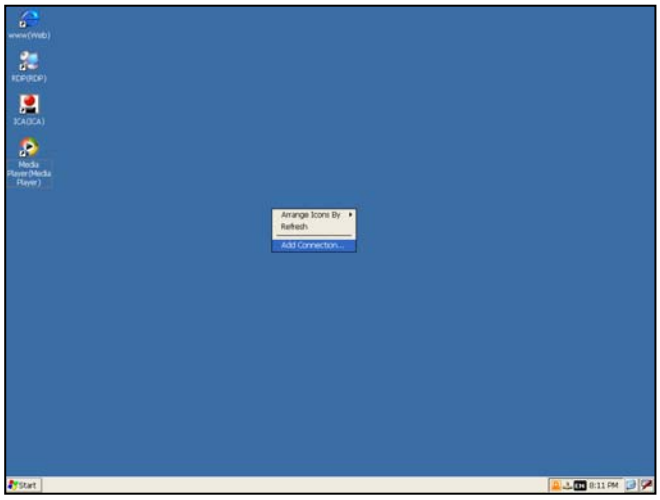
8.1.2 General Properties

In the Control Panel, you can find the option “General Properties”. You can click it to view the system and device info and You can reset the default value in this dialog box.

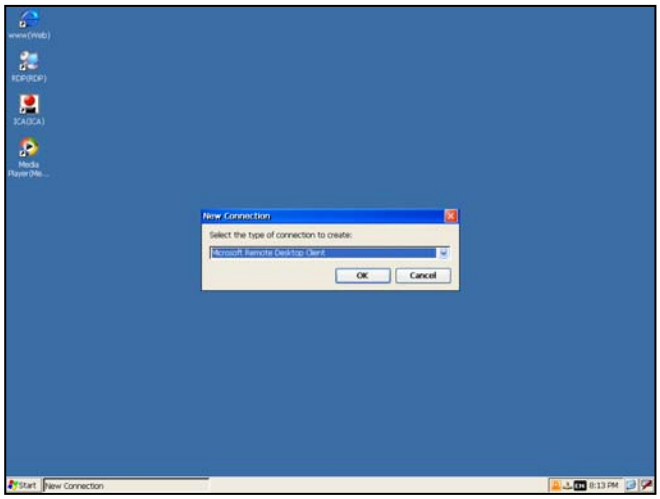


8.2 Add a Connection

If you want to add a connection on Desktop mode, you can right click the mouse and select the option “Add Connection…”



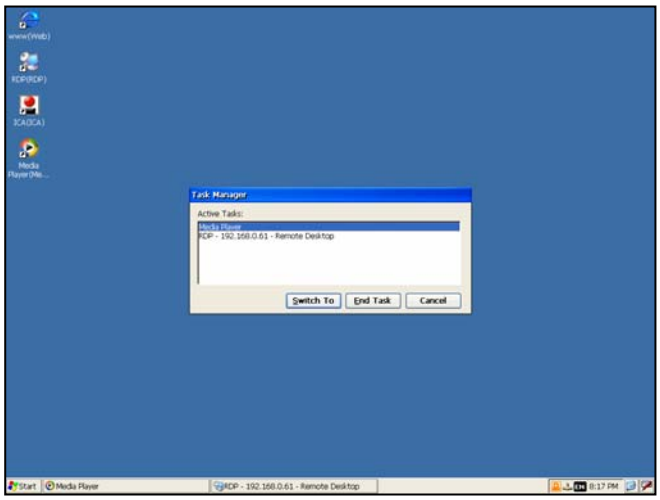
When you click the option “Add Connection…” you will see the figure as below. And you can add the connections that you want.



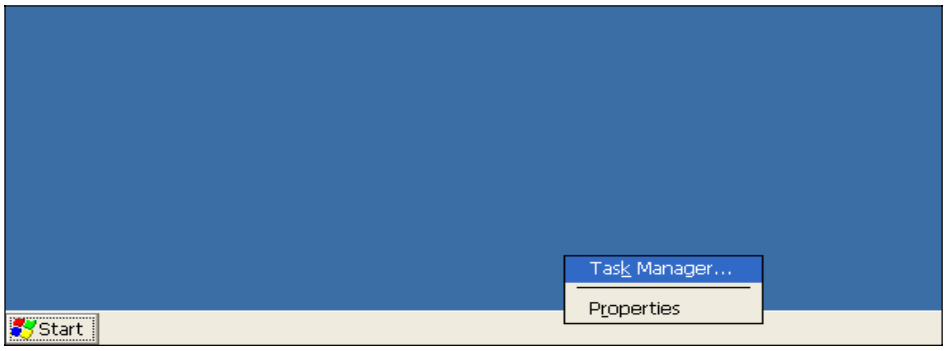
8.3 Advanced Function on Desktop Mode

8.3.1 Task Manager

Task Manager is a utility, which provides a quick overview of what applications is currently executing. You can press the "Ctrl + Alt + Del" to use this function.

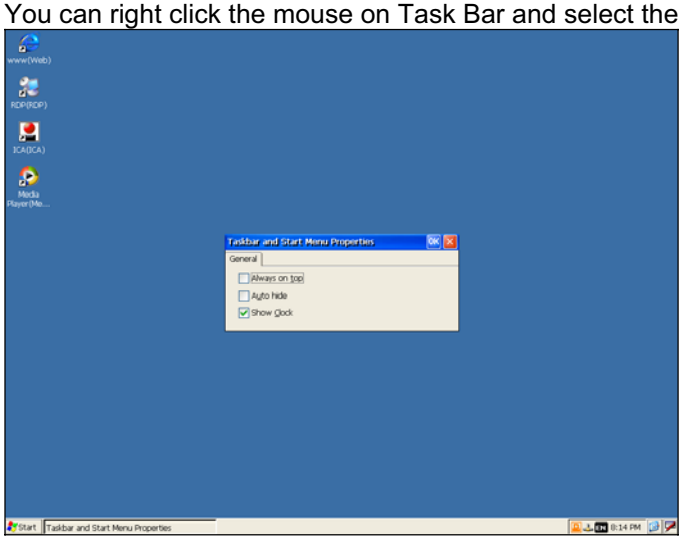


Or you can right click the mouse on Task Bar to select the Task manager.



8.3.2 Task Bar

You can right click the mouse on Task Bar and select the properties to set.



8.3.3 Hot Key Functions

Ctrl+Alt+End:

Use this function to go back to the Desktop.

Alt+Tab:

Use this function to use Task Manager.